

AHMED IBRAHIM

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EDUCATION

- 2008 - present **Ph.D. in Educational Psychology (Learning Sciences)**
Department of Educational and Counseling Psychology, McGill University, Canada
- 2001 - 2003 **M.Sc. in Computer Engineering (Telecommunication Networks)**
Department of Electrical and Computer Engineering, Polytechnic Institute of New York University, USA
- 1993 - 1998 **B.Sc. in Electronics and Electrical Communication Engineering**
Department of Electronics and Electrical Engineering, Cairo University, Egypt

JOURNAL PAPERS

- Lasry, N., Watkins, J., **Ibrahim, A.** & Mazur, E. (2010). Student Response Times to Conceptual Questions. *Physical Review Special Topics - Physics Education Research (PRST-PER)* (Manuscript accepted for publication pending minor revisions).
- Aulls, M. W., & **Ibrahim, A.** (2010). Pre-Service teachers' perceptions of effective inquiry instruction. *Instructional Science* (Manuscript accepted for publication pending minor revisions).

CONFERENCE PROCEEDINGS (PEER REVIEWED)

- Ibrahim, A., & Abrasi, S. (2010). Now you can compare them all! *Proceedings of 2010 Physics Education Research Conferene (PERC)* (pp. xxx-xxx). Portland, OR: American Institute of Physics.
- Aulls, M. W., **Ibrahim, A.**, Pelaez, S., Wang, X., & Orjuela-Laverde, M. (2010). What happens as learning during asynchronous text-based discussions in an online learning system? *Proceedings of the Fifth International Conference of Learning International Networks Consortium (LINC)*. Cambridge, MA: Massachusetts Institute of Technology (MIT).

CONFERENCE POSTERS (PEER REVIEWED)

- Ibrahim, A.** (2010, July 21). *Now you can compare them all!* **Poster** presented at the 2010 Physics Education Research Conference (PERC), Portland, OR.
- Ibrahim, A.** (2010, July 21). *Which instrument to select (among so many)?* **Poster** presented at the 2010 Physics Education Research Conference (PERC), Portland, OR.

Ibrahim, A. (2010, July 21). *Yes, I can teach physics, but.* **Poster** presented at the 2010 Physics Education Research Conference (PERC), Portland, OR.

Aulls, M. W., & **Ibrahim, A.** (2010, May 2). *How do Kinds of Instructional Activities differentially influence student participation in a constructivist-based Educational Psychology course?* **Poster** presented in the 2010 Annual Meeting of the American Educational Research Association (AERA), Denver, CO.

Ibrahim, A., Dowd, J., & Lasry, N. (2009, July 29). *Effect of Peer Instruction on Student Conceptual Understanding: a Systematic Review of Literature.* **Poster** presented at the 2009 Physics Education Research Conference (PERC), Ann Arbor, MI.

CONFERENCE TALKS (PEER REVIEWED ABSTRACTS)

Ibrahim, A. (2010, May 30). *The Relevance and Comprehensiveness dimensions of the Literature Review.* **Roundtable** presented at the 38th Annual Conference of the Canadian Society for the Study of Education (CSSE), Concordia University, Montreal, Quebec, Canada.

Ibrahim, A. (2010, March 13). *Educational Neuroscience: the essence of a burgeoning discipline.* **Talk** presented at the 2010 McGill Education Graduate Students Society (EGSS) conference, McGill University, Montreal, QC.

Walker, C., Leung, O., Gyles, P., Tabatabai, D., **Ibrahim, A.**, & Chichekian, T. (2010, March 12). *The Teacher's Voice: Barriers to Implementing Inquiry in the Classroom.* **Workshop** presented at the 2010 McGill Education Graduate Students Society (EGSS) conference, Montreal, Canada.

Tabatabai, D., Leung, O., Kaur, J., Gyles, P., **Ibrahim, A.**, & Walker, C. (2009, November 19). *The beginning steps of inquiry: overcoming real barriers identified in real schools.* **Workshop** presented at the 2009 Annual Convention of the Quebec Provincial Association of Teachers, Montreal, Quebec, Canada.

Ibrahim, A., & Lasry, N. (2009, June 8). *Choice and Confidence Transitions to Conceptual Tests as Fine Indicators of Learning: An analysis of ten years of Peer Instruction data.* **Talk** presented at the 2009 Canadian Association of Physicists Congress, Moncton, New Brunswick, Canada.

Ibrahim, A. (2009, June 1). *Categorization and Classification as Task Demands in Inquiry.* **Talk** presented at the 2009 1st mini Conference of the Centre for the Study of Learning and Performance, Sherbrook, Quebec, Canada.

Hou, D., **Ibrahim, A.**, & Aulls, M. W. (2009, May 24). *How does Studying in Western Universities affect the Conceptions of Learning? The Case of Graduate Chinese Students in the UK and Canada.* **Roundtable** presented at the 37th Annual Conference of the Canadian Society for the Study of Education, Carleton University, Ottawa, Ontario, Canada.

Aulls, M. W., **Ibrahim, A.**, Ritchie, K., Hua, O., & Hou, D. (2008, November 21). *Teachers' Insights Into Successful Strategies to Foster Cross-Curricular Competencies.* **Talk** presented at the 2008 Annual Convention of the Quebec Provincial Association of Teachers, Montreal, Quebec, Canada.

TEACHING EXPERIENCE

- 09/2010 – 12/2010 **Professor**, Department of Educational and Counseling Psychology, McGill University, Montreal, Quebec, Canada
Course Taught: EDPE 304: Measurement and Evaluation
Short description of the role:
(1) Assist in teaching classes, (2) Mark all the assignments of the course (2) Clarify reading material or assignments for students during the office hours, (3) Enter the marks electronically in the course management system.
- 03/2010 – 06/2010 **Physics Teacher**, The Study high school, Montreal, Quebec, Canada
Course Taught: Physics for grade 11
Short description of the role:
Taught basic physics, including (a) Trigonometry and vector mathematics in two dimensions, (b) Kinematics: rectilinear motion, projectile motion and circular motion, (c) Newtonian Mechanics: Forces, gravity, friction and Newton's Laws, (d) Momentum and Impulse, (e) Work and Energy, (f) Simple Machines, (g) Optics: reflection, refraction, Snell's Law, mirrors, lenses and light.
- 03/2010 – 06/2010 **Technology Teacher**, The Study high school, Montreal, Quebec, Canada
Course Taught: Technology for grades 9 and 10
Short description of the role:
Taught (1) mechanical technology including technical drawing and use of tools (2) electronics technology including drawing electronics circuits and implementing them.

TEACHING ASSISTANTSHIP EXPERIENCE

- 01/2010 – 05/2010 **Teaching Assistant**, Department of Educational and Counseling Psychology, McGill University, Montreal, Quebec, Canada
Course Assisted: EDPE 605: Research Methods
Short description of the role:
(1) Assist in teaching classes, (2) Mark all the assignments of the course (2) Clarify reading material or assignments for students during the office hours, (3) Enter the marks electronically in the course management system.
- 09/2009 – 12/2009 **Teaching Assistant**, Department of Educational and Counseling Psychology, McGill University, Montreal, Quebec, Canada
Course Assisted: EDPE 684: Applied Multivariate Statistics
Short description of the role:
(1) Read and review required course material, lecture materials and prepare for the lab discussions with students, (2) Prepare model answers for the lab assignments, (3) Lead the lab sessions, by explaining the course concepts and answering the students' questions, (4) Help the students in using the statistical software packages such as SPSS and EQS to analyze data, and interpret the results of the analysis, (5) Mark weekly labs, midterm and final exams, (6) Clarify reading material or assignments for students during the office hours, (7) Enter the marks electronically in the course management system.

- 01/2001 – 05/2001 **Teaching Assistant**, eConcordia, Concordia University, Montreal, Quebec, Canada
Course Assisted: EDUC 298A: Educational Communication
Short description of the role:
 (1) Answered all student as well as all eConcordia email communication within 24 hours on weekdays and at least once over the weekend, (2) Explained the course material to students as required, (3) Participated and controlled online discussions on a daily basis, (4) Graded all the students' assignments and exams as per the established grading key, grading deadlines and correction time frames, (5) Provided students with feedback on their progress in the course, which included clear and concise feedback on their work that was graded., (6) Recorded the hours spent and submit a detailed timesheet by emails, (7) Documented all the issues that arise in the course, such as technical matters, and reported them to the operations manager, (8) Invigilated the final exam and completed the tasks related to it.
- 01/2001 – 06/2001 **Teaching Assistant**, Department of Electrical Engineering, Modern Science & Arts University, Cairo, Egypt
Course Assisted: Electronic Circuits, Microwave Engineering, Intermediate Calculus
Short description of the role:
 (1) Read and reviewed required course material, lecture materials and prepare for the lab discussions with students, (2) Prepared tutorial sessions, (3) Lead tutorial sessions by explaining the course concepts, modeling problem solving techniques, and answering the students' questions, (4) Helped the students in using the lab equipment to conduct the lab experiments, (5) Marked labs, midterms and final exams, (6) Clarified reading material and assignments for students during the office hours, (7) Invigilated the midterms and final exams and completed the tasks related to it.
- 01/2001 – 06/2001 **Teaching Assistant**, Department of Electrical Engineering, Modern Science & Arts University, Cairo, Egypt
Courses Assisted: Electronics, Microprocessors and Digital System Interfacing Design
Short description of the role:
 (1) Read and reviewed required course material, lecture materials and prepare for the lab discussions with students, (2) Prepared tutorial sessions, (3) Lead tutorial sessions by explaining the course concepts, modeling problem solving techniques, and answering the students' questions, (4) Helped the students in using the lab equipment to conduct the lab experiments, (5) Marked labs, midterms and final exams, (6) Clarified reading material and assignments for students during the office hours, (7) Invigilated the midterms and final exams and completed the tasks related to it.

TUTORING EXPERIENCE

- 01/2010 – 05/2010 **Tutor, Course Tutored: PSYC 651, Advanced Statistics**
 Course offered at: Department of Psychology, McGill University, Montreal, Quebec, Canada
Short description of the course:
 A course in advanced statistics with specialization in multivariate techniques.
Short description of the role:

(1) Clarify reading material or assignments for one student during weekly appointments, (2) Help the student in using SPSS 17.0 to analyze data, and interpret the results of the analysis.

09/2009 – 12/2009 **Tutor, Course Tutored: EPIB 507, Biostatistics for the Health Professional**
Course offered at: School of Physical and Occupational Therapy, McGill University, Montreal, Quebec, Canada

Short description of the course:

Basic principles of statistical inference applicable to clinical, epidemiologic, and other health research. Topics include: methods of describing data, statistical inference for means, statistical inference for proportions, non-parametric statistics, correlation and introduction to linear regression.

Short description of the role:

(1) Clarify reading material or assignments for one student during weekly appointments, (2) Help the student in using JMP 8.0 to analyze data, and interpret the results of the analysis.

RESEARCH ASSISTANTSHIP EXPERIENCE

2009 - 2010 **Research Assistant**

Mazur Group, School of Engineering and Applied Physics, Harvard University

Short summary of the project:

The objectives of this project that I lead at Harvard University are to: (1) Design and implement a systematic review of the “Peer Instruction” method, (2) Design and conduct a meta-analytic study of the effects of “Peer-instruction” on students' performance and attitudes, (3) Disseminate the results in scholarly publications and conferences.

Short description of the role:

(1) Did a complete review of the literature related to “Peer Instruction” in 11 databases, (2) Compiled all the results in a categorized EndNote Library, (3) Extracted the relevant studies according to Inclusion Criteria, (4) Conducted a primary meta-analysis on a proportion of the found studies using Comprehensive Meta-Analysis 2.0 software.

2008 - 2011 **Research Assistant**

Shore, B. M., Aulls, M. W., Kalman, C. S., Delcourt, M. A. B., & Stringer, R. (2008). What University Students Know and Do Not Know about Inquiry-Based Teaching and Learning (Vol. CDN\$ 249,687). Montreal, Quebec: Social Sciences and Humanities Research Council of Canada (SSHRC).

Short summary of the project:

The objectives of this project, in which I work as a Research Assistant, are to: (1) Describe student knowledge about inquiry instruction, and their perceptions of effective instruction, (2) Explain the factors affecting student knowledge about inquiry, and the quality of their higher order reflection, (3) Explain presage and process variables in inquiry instruction.

Short description of the role:

(1) Participated in semi-structured interviews with teachers about questions related to the study, (2) Participated in preparing different survey instruments used in the study.

2007 - 2011 **Research Assistant**

Aulls, M. W., Shore, B. M., Kalman, C. S., Stringer, R., & Delcourt, M. A. B. (2007). *L'identification et l'evaluation des resultats de la participation dans l'apprentissage et l'enseignement bases sur l'enquete: Lancer les passerelles entre la recherche et la pratique* (Vol. CDN\$ 319,630). Montreal, Quebec: Fonds Quebecois de Recherche sur la Société et la Culture (FQRSC).

Short summary of the project:

The objectives of this project, in which I work as a Research Assistant, are to: (1) Explain the role of discourse in how participants understand educational inquiry, (2) Validate the Aulls-Shore framework of educational inquiry, (3) Distinguish the ways participants in inquiry learn and teach differently, (4) Develop a repertoire of inquiry evaluation tools.

Short description of the role:

(1) Did semi-structured interviews with teachers about questions related to the study, (2) Did direct observation of 2 teachers while teaching in classrooms, (3) Analyzed qualitative data collected from interviews and observations using MaxQDA 2007 software.

2008 - 2009 **Research Assistant**

Charles, E., Lasry, N., Trudeau, J., & Whittaker, C. (2007). *Technology Supported Collaboration and Learning: How do we build learning environments to build communities & conceptual knowledge?* Montreal, Quebec: Programme d'Aide à la Recherche sur l'Enseignement et l'Apprentissage (PAREA)

Short summary of the project:

The objectives of this project, in which I worked as a Research Assistant, were to: (1) Compare Community Based Collaboration with Peer to Peer Collaboration, (2) Evaluate the socio-cultural factors mediating learning in these two settings (3) Provide empirically based guidelines for designing effective collaborative environments.

Short description of the role:

(1) Did the Multivariate quantitative analysis of the data using SAS 9.2 software, (2) Participated in report writing.

2006 - 2008 **Research Assistant**

Carliner, S. (2006). *A genre-based approach to best practices in online communication for the workplace* (Vol. \$CDN 58,138, pp. 30). Montreal, Quebec: Social Sciences and Humanities Research Council of Canada (SSHRC).

Short summary of the project:

The objectives of this project, in which I worked as a Research Assistant, were to (1) Generate for the researcher, a detailed analysis of the emerging online genres, (2) Generate for the practicing professional a set of best practices for producing these types of materials.

Short description of the role:

(1) Recruited participants for the study, (2) Did semi-structured interviews, (3) Participated in preparing the Usability Tests, (4) Analyzed the qualitative data.

2006 - 2008 **Research Assistant**

Richard Schmid, & Phil Abrami. *Technology integration in post-secondary education: A designed and scaled, empirical examination of what works, and more importantly, why.*

Short summary of the project:

The objective of this project, in which I worked as a Research Assistant, was to examine the role that computer technology plays in the learning process in postsecondary education. Specifically, the project examined the relationship between variables such as computer-technology use, course structure, learning tasks, student characteristics, and feedback with respect to achievement, intrinsic motivation, perceived effectiveness of the course, and perceived competence.

2001 - 2004 **Research Assistant**

H. Jonathan Chao Lab, Department of Electrical and Computer Engineering,
Polytechnic Institute of New York University, USA

Short summary of the role:

(1) conducted research in broadband packet switching networks, network processors and computer network security areas, (2) Helped in reviewing two text books.

PH.D. COURSEWORK

2007 – present **Ph.D. Student, Educational and Counselling Psychology, Learning Sciences stream, McGill University, Montreal, Canada**

Courses Taken:

- *NEU 606: Methods in Neuroimaging*
- *RAD 6005: Introduction to Functional Magnetic Resonance Imaging*
- *EDPE 661: Discourse Processes*
- *PSYC 331: Human Cognition and the Brain*
- *EDPH 689: Teaching and Learning in Higher Education*
- *EDPE 704/5/6/7: Advanced Research Seminars*
- *EDPE 605: Research Methods*
- *EDPE 664: Expertise, Reasoning and Problem Solving*
- *EDPE 666: Foundations of Learning Sciences*
- *EDPE 682: Univariate and Multivariate Statistics*
- *EDPE 684: Applied Multivariate Statistics*
- *EDPE 687: Qualitative Methods in Educational Psychology*

FURTHER EDUCATION

August - 2010 **Bayesian Data Analysis with R and BUGS**

2010 Cognitive Science Society Conference, Portland, Oregon, USA

Instructor: John Kruschke, Department of Psychological and Brain Sciences, Indiana University

Topics Covered: A full day tutorial that covers: Familiarization with R and BUGS, Uncertainty and Bayes' rule, Markov chain Monte Carlo, Hierarchical models, Bayesian (multiple) linear regression, Bayesian analysis of variance, Bayesian power analysis and replication probability.

June - 2010 **Panel Data Analysis Seminar**

Quebec Inter-university Centre for Social Statistics, McGill University, Canada

Instructor: Jorgen Hansen, Concordia University

Topics Covered: This intensive training session deals with longitudinal (panel) data

analysis. The course will cover topics in static and dynamic model specifications, as well as topics in duration data analysis. Emphasis will be placed both on theory and computer application of the methods using data from the Survey of Income and Labour Dynamics (SLID).

- April - 2010 **Mixed Models Analysis Seminar**
 Quebec Inter-university Centre for Social Statistics, University of Montreal, Canada
Instructor: Danielle Forest
Topics Covered: Cet atelier porte sur l'estimation de modèles mixtes à l'aide des progiciels statistiques SAS et STATA. Généralisation des modèles standards, les modèles mixtes permettent de modéliser la moyenne des données ainsi que leurs variances et leurs covariances. Modèles hiérarchiques (Bryk & Raudenbush, 1992), modèles avec coefficients aléatoires ou paramètres aléatoires (Rosenberg, 1983) et modèles multiniveaux (Mason et. Al., 1983) sont autant d'appellations des modèles mixtes (Goldstein, 1986). Ce type de modèle comporte à la fois une partie fixe, la moyenne, qui est la même pour toutes les données, et une partie aléatoire, la variance-covariance, qui varie selon les données, d'où l'appellation de « modèles mixtes ». Nous avons recours à ce type de modélisation en raison de la structure hiérarchique des données qui contrevient à l'une des hypothèses du modèle standard, celle de l'indépendance des observations..
- February - 2010 **Structural Equation Modeling Seminar**
 Quebec Inter-university Centre for Social Statistics, McGill University, Canada
Instructor: Rex Kline, Concordia University
Topics Covered: This five-day seminar dealt with the principles, assumptions, strengths, limitations, and applications of structural equation modeling (SEM). Basic SEM techniques, including path analysis, confirmatory factor analysis (CFA), and full "LISREL" (structural-regression) models, were covered.
- August - 2009 **Brain Imaging Summer School**
 Quebec Bio-Imaging Network, McGill University, Montreal, Quebec, Canada.
Topics Covered: Basics of MRI of the Brain, fMRI experimental design, analysis and interpretation, Real-time fMRI, Image quality and stability in fMRI, Modeling brain connectivity from functional imaging, Functional connectivity methods and applications.
- June - 2009 **Introduction to Meta-Analysis**
 Online course offered at www.statistics.com
Instructor: Michael Borenstein
Topics Covered: Computing treatment effects, Computing overall effects, Constructing Forest Plots, Heterogeneity among effect sizes, Fixed-effect versus Random-Effects models, Funnel Plots, Common criticisms of meta-analysis.

MEMBERSHIPS IN PROFESSIONAL ASSOCIATIONS

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|----------------|--|
| 2010 – present | Cognitive Neuroscience Society (CNS) |
| 2010 – present | Cognitive Science Society (CSS) |
| 2010 – present | American Educational Research Association (AERA) |

2009 – present	American Association of Physics Teachers (AAPT)
2009 – present	The International Society of the Learning Sciences (ISLS)
2008 – present	The Canadian Association of Physicists (CAP)
2008 – present	The Canadian Society for the Study of Education (CSSE)
2006 – present	Society for Technical Communication (STC)

ACADEMIC SERVICE: REVIEWING

2011	(applied for) Reviewer, American Educational Research Association (AERA) Conference, <i>Short description of the role:</i> Complete the review of three conference proposals. The reviewer uses a review template to assess the quality of the proposal.
2010	Reviewer, American Association of Physics Teachers (AAPT) Conference, <i>Short description of the role:</i> Complete the review of three conference proposals. The reviewer uses a review template to assess the quality of the proposal.
2010	Reviewer, The Canadian Society for the Study of Education (CSSE) Conference, <i>Short description of the role:</i> The reviewer is responsible for completing the review of three conference proposals. The reviewer uses a review template to assess the quality of the proposal.

COMMUNITY SERVICE

2010	Volunteer at the 2010 Cognitive Neuro Society (CNS) Meeting in Montréal, Canada. <i>Short description of the role:</i> Prepared the registration giveaways, direct traffic, hand out attendee badges, and assist in other ways needed onsite.
2010	Volunteer at the Brain Awareness Week. <i>Short description of the role:</i> Gave interactive presentations about the “Five Senses” at an elementary school level and “Drugs and the Brain” at a secondary school level.
2010	Delegate for the Department of Educational Psychology for the Association of Graduate Students Employed at McGill (AGSEM). <i>Short description of the role:</i> (1) Ensure that the collective agreement is respected, within the group of employees represented. (2) Ensure that newly hired personnel join the union. (3) Inform the group represented of the decisions made by the union council, and to defend in the union council the viewpoint(s) proposed by the unionized people in the group that he or she represents. (4) Personally convene the people in the group represented to all general meetings.

- 2009 – 2010 Member of the selection committee of the Carrie Derrick Award for Graduate Teaching and Supervision for the year 2009-2010, McGill University, Montreal, Quebec, Canada
Short description of the role:
 The graduate student member (selected by the Post Graduate Students' Society) (1) participates in the committee meetings and (2) votes on the selection of the awardees of the Carrie M. Derrick Award for Graduate Teaching and Supervision.
- 2009 – 2010 Vice President Internal, McGill Egyptian Student Association, McGill University Montreal, Quebec, Canada
Short description of the role:
 The Vice President Internal (1) maintains communication within the executive committee and the Students' Society of McGill University, (2) maintains the membership list of the association, (3) oversees and coordinates activities and events of the association.
- 2009 – 2010 Member in the Student Committee on Doctoral Students in Education, McGill University Montreal, Quebec, Canada
Short description of the role:
 The Member of the Student Committee on Doctoral Students in Education (1) contributes to the establishment of a cross-Faculty culture of doctoral studies and (2) contributes to the organization of a Seminar Series on Doctoral Studies in Education.
- 2008 – 2009 General Manager of the 2009 Technical Communication Competition of the Montreal chapter of the Society for Technical Communication.
Short description of the role:
 The General Manager of the Technical Communication Competition (1) Oversees all aspects of the competition, (2) Serve as liaison to the chapter administrative council, (3) Provide regular updates to the council, (4) Establish and monitor the competition's budget and schedule, (5) Promote the competition within the local chapter, (6) Serve as liaison to the headquarter office and the international competition managers, (7) Create or revise local competition guidelines to reflect current developments, (8) Guide and assist committee managers, (9) Enrol managers for functions and together make preliminary decisions
- 2006 - 2007 Judge in the 2007 Technical Communication Competition of the Montreal chapter of the Society for Technical Communication
Short description of the role:
 (1) evaluated technical communication entries, (2) provided feedback to the entrants on the quality of the entries , (3) participated in a consensus meeting with other judges to select the winning awards.
- 2006 - 2007 Consultant, Work and Learning Knowledge Centre
Short description of the role:
 (1) recorded four session in the Canadian Society for Training and Development conference held in Toronto, Ontario, Canada from November 5 to 7, (2) analyzed the recoded information, and prepared four documents addressing “Promising Learning Practices” from the information recorded in the sessions.

AWARDS AND HONORS

- 2010 Graduate Research Enhancement and Travel Award CDN\$ 500.00
 McGill University
Short Description of the award:
 The “Graduate Research Enhancement and Travel Award” (GREAT) Award is a special award that is given to McGill graduate students for their achievements in attending a scholarly meeting or conference where they will be presenting a paper, poster, or panel relating to their graduate research.
- 2009 Educational and Counselling Psychology Travel Award CDN\$ 500.00
 McGill University
Short Description of the award:
 The “Educational and Counselling Psychology” Travel Award is special award that is given to McGill graduate students for their achievements in attending a scholarly meeting or conference where they will be presenting a paper, poster, or panel relating to their graduate research.

SCHOLARSHIPS AND FELLOWSHIPS

- 2008 - 2009 McGill University Provost’s Graduate Fellowship CDN\$ 5,000.00
 McGill University, Montreal, Quebec, Canada
Short Description of the fellowship:
 The McGill Provost's Graduate Fellowship is awarded to successful students entering their first year in doctoral studies at McGill university.
- 2001 - 2004 Masters of Information Technology Scholarship Award US\$ 106,647.17
 Institute of International Education
Short Description of the scholarship:
 The scholarship is given to ten exceptionally talented students who are qualified to pursue graduate studies in the field of Information Technology in top universities in the USA. The scholarship covers tuition fees, living expenses and equipment and travel expenses during the period of study.

PROFESSIONAL EXPERIENCE

- 2005 – 2007 **Co-founder and President**
 Pastèque Web Solutions, Montreal, Canada
Short description of the role:
(i) Entrepreneurship:
 (1) Cofounded the company and developed it from a start-up to a profitable business in two years with net profit exceeding CDN\$ 50 K, (2) Incorporated and registered the company as a partnership firm, (3) Defined the company's core values, mission statement, and business and market-building strategies (4) Authored winning bids for the design and development of websites for several companies including a large financial securities company, and an international sports company.

(ii) Management:

(1) Supervised and managed more than 10 designers and developers, (2) Managed more than 9 website design and development projects.

(iii) Marketing and Sales:

(1) Did lead generation, business development, project management of medium and large website design projects, (2) Authored negotiation letters and service agreements for the sales contracts, clarifying mandates and organizing tasks, for all the clients, (3) Attended weekly business meetings in a business referral organization to promote the services of the company.

Clients include: Berkshire financial securities, Canadavisa.com, Eurobasket.ca, Pizzarustica.ca, a website for playstation.com, Stephanmoccio.com, webdesignforaccountants.com, wellesleypartners.co.uk

(iv) Human Resources:

(1) Interviewed and selected expert designers and developers, (2) Contracted with the expert designers and developers to carry out specific job requirements, (3) Built strategic partnerships with other website design companies, to best serve the company's clients with the latest technology from the experts of the industry.

2004 – 2005

IT and business development consultant

Perspective NYC, Inc., New York, USA.

Short description of the role:

(1) Reviewed technology infrastructure for various clients, (2) Provided design and implementation solutions for network hardware, computer systems and software including database management systems to yoga studios, (3) Provided advice to clients on appropriate IT solutions that would address the key business needs including business intelligence solutions and network security, (5) Assisted in setting up an outsourcing call center operation in Egypt for lead generation, and technical support for companies in the United States through partnering with Telecom Egypt call center operations unit, (6) Provided consultation on project management to a variety to a more than 20 clients.

2000 – 2001

Computer Engineer, Instructional Designer and Training Assistant

Tele-training Institute and e-Learning Innovations, Inc., Oklahoma, USA

Short description of the project:

This project was part of a United States Agency for International Development (USAID)-sponsored project to assist Telecom Egypt in its privatization plans.

Short description of the role:

(1) Assisted in designing and customizing training material to suit the trainees, (2) Assisted in teaching a workshop on designing and implementing distance learning projects (3) Assisted in teaching a workshop on designing and implementing the technological infrastructure that supports distance learning projects, (4) Set up the labs by preparing the computer network, the software and the videoconferencing equipment.

1998 – 2000

Computer Engineer, Instructional Designer and Training Assistant

K&M Engineering and General Dynamics, Cairo, Egypt

Short description of the project:

This project was part of a United States Agency for International Development (USAID)-sponsored project to assist Telecom Egypt in its privatization plans.

Short description of the role:

(1) Assisted in conducting a training needs analysis for the training sector in Egypt Telecom, (2) Designed and prepared a week-long training workshop on building, upgrading, cleaning and securing personal computers, (3) Instructed the workshop to in six Telecom Egypt regional training centers to managers, engineers, and technicians. The training included lecturing, hands-on demonstrations and tutorials.

1998

French-English-Arabic Translator

Association pour la Formation Professionnelle des Adultes (AFPA), Cairo, Egypt. The project was funded by AFPA (French Organization), through its cooperation policy in assisting governments and state public bodies to improve their competitiveness and performance.

Short description of the role:

(1) Translated a technical course on mechanical machines from French to English and to Arabic, (2) Translated financial documents and legal contracts from French to English and Arabic.

1997 – 1998

Intern

University Network Services, The American University in Cairo, Cairo, Egypt

Short description of the role:

(1) Assisted in installing communication cables, and computers in different labs and offices on campus, (2) Assisted in configuring and setting up computers to connect to the Internet, (3) Installed software programs, (4) Trained faculty and students on using the Internet and email, (4) Assisted in doing management tasks for maintaining the off campus Internet connection, (5) Assisted faculty and students with computer problems by troubleshooting hardware equipment and software programs, (6) Provided phone and email support to the university users, (7) Evaluated security software and hardware for possible purchase by the university.

SKILLS

Software

Statistics	SAS 9.2
	R 2.10.1
	PASW 18.0 (formerly SPSS)
	JMP 8.0
	EQS 6.1
	Mplus 5.21
	STATISTICA 8 CS
	Comprehensive Meta-Analysis 2.0

Qualitative	Maxqda 2010
Computing	Matlab R2010a, Mathematica 7, Maple 11
Neuroimaging	NeuroLens
Web	Adobe Dreamweaver, HTML, CSS, XML
Referencing	EndNote X3

Languages

English	Fluent
French	Fluent
Arabic	Fluent
German	Fair