

MILES GILCHRIST

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Education

University of Toronto (St. George)
B.Sc. Hons Computer Science & Cognitive Science

Toronto, ON
Sept. 2010 - Present

Work Experience

Programmer Analyst

MediaCorp Canada Inc. (Canada's Top 100 Employers / Eluta.ca)

Toronto, ON
Jul. 2015 – Present

- Worked with a team of editors to populate the database of jobs searchable on Eluta.ca.
- Created Python regular expressions to scrape and parse job details directly from employers' pages.
- Made numerous fixes to the harvesting proxy (CasperJS) to handle websites using newer technologies.

Head of Shipping

Sport Books Publisher

Toronto, ON
Oct. 2012 – Aug. 2013

- Processed incoming invoices and followed up with customers by e-mail/phone.
- Maintained an up to date inventory of textbooks, sports equipment, and shipping materials.
- Prepared textbooks and sports equipment for outgoing shipments.
- Updated student guides (PowerPoint files) to reflect changes in new textbook editions.

Production Assistant

MadCap Learning

Toronto, ON
May 2012 – Sept. 2012

- Helped in the early development of an interactive digital learning platform whose sponsors include The Bill and Melinda Gates Foundation and Pearson Education.
- Gathered and catalogued thousands of high-resolution images for use in educational software.
- Coordinated with groups of project leaders to meet various assignment expectations.

Karate Instructor

Northern Karate Schools

Toronto, ON
Sept. 2004 – Sept. 2010

- Guided children ages 5 to 16 through required moves and techniques.
- Successfully held large class sessions through collaboration with other instructors.
- Supervised students on day trips around the city during the school's summer camp.

IT Assistant

National Energy Equipment Incorporated

Mississauga, ON
Jun. 2010 – Aug. 2010
Jun. 2009 – Aug. 2009

- Provided general PC repair and troubleshooting for a branch with over 70 employees.
- Formatted new computers with system images for employee use.
- Responsible for packing, shipping, and receiving IT packages.

Skills, Knowledge, and Achievements

- Proficient in C, C++, Java, Python, shell scripting, web development (CSS3, HTML5, JavaScript, PHP, SQL) and more.
- Familiar with software versioning and revision control (experience with svn, git and bzt).
- Executive programmer for FIRST Robotics Team 854 (2007 – 2010).
- FIRST Robotics: Waterloo / GTA Regional Price Bronze Medalist; Delphi "Driving Tomorrow's Technology" Award (2009).

Recent Projects

- Used HTML5 / JavaScript to make a canvas application with functionality similar to Microsoft Paint.
- Worked with teammates to implement a web-based spaced repetition system for learning new languages on the web (Node.js).
- Recreated the popular memory game "Simon" using a Cyclone II FPGA, written in Verilog.