

SUMMARY

Software engineering undergrad with a passion for writing beautiful code, solving unique problems with the aspiration of benefiting millions of users.

EMPLOYMENT

Software Developer BigBlueButton	Blindside Networks	Summer 2012
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- Developed an HTML5 Client for BigBlueButton using NodeJS, WebSockets (SocketIO), Redis and HTML5
- Applied Ruby, JS and SVG to the BigBlueButton whiteboard playback to add shapes, cursor, clears/undos
- Documented in detail the specifications of changes made to various aspects of BigBlueButton

Software Automation Developer Radio Provisioning	Research in Motion	January 2013 – Present
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- Eliminated inefficiencies in the team's internal Django-based build tool
- Tracked down and eliminated bugs in the tool's SQL schema implementation
- Contributed to the internal documentation of various aspects of their current infrastructure

EDUCATION

Ottawa, Ontario	Carleton University	Fall 2010 – Present
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- Bachelor of Engineering, Software Engineering (Co-op Option)
- Third Year Standing, CGPA 10.57/12 (A-, 88%)
- Anticipated Graduation Date: April 2015
- Entrance Scholarship Recipient

AVAILABILITY

Available for 4 months starting September 2013

TECHNICAL EXPERIENCE

Personal Projects

- **Next O-Train (2012):** NodeJS/Bootstrap website shows countdown to Next O-Train per station and direction
- **Multi-Session WebCT (2011):** Chrome/Firefox extensions enables multiple sessions for WebCT at Carleton U
- **SMS Stats (2011):** Python script parsing iPhone SMS SQLite DB and calculating statistics on the text messages
- **Email SMS Parser (2011):** Java app that transforms singular emailed SMS messages into a conversation view

Team Projects

- **CampusGrids Software Engineer (2012 – Present):** Helps Carleton students find events and clubs on campus
- **68HC12/Axiom Driver (2012):** Assembly-based driver for an HC12 microprocessor and Axiom project board
- **Experimental LAN Chat (2009):** Visual Basic chat utility for text-based communication within a local network

ADDITIONAL EXPERIENCE AND AWARDS

- **IEEE Carleton Technical Director (2012 – Present):** Responsible for maintenance and support of the IEEE electronic equipment, computing services and website plus all responsibilities as an IEEE volunteer
- **IEEE Carleton Volunteer (2011 – 2012):** Attended and contributed to all executive meetings, assisted in office shift responsibilities and organized events for IEEE Carleton events (e.g. SPAC 2012, FPGA Competition)
- **Hackathons/Conferences:** Facebook (Toronto, ON); Hackanooga (Chattanooga, TN); CUSEC (Montreal, QC)

LANGUAGES AND TECHNOLOGIES

Languages and Markups: JavaScript; HTML5; Ruby; XML/SVG Schema; CSS; Java; C; Python; SQL

Frameworks: NodeJS; SocketIO (WebSockets); Ruby on Rails

Libraries: JQuery; Bootstrap; PopcornJS; RaphaelJS

Tools: Git; Redis; Eclipse; Heroku; Mac; Unix/Linux; Windows; Terminal/Command Line

Practices: OOP; MVC; Agile; Unit Testing