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RYAN SEYS

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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 |
|---|---------------------------|--------------------|

- 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 |
|---|---------------------------|-------------------------------|

- 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

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|------------------------|----------------------------|----------------------------|
| Ottawa, Ontario | Carleton University | Fall 2010 – Present |
|------------------------|----------------------------|----------------------------|

- 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