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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 Automation Developer   **BlackBerry**   **January 2013 – Present**
  Radio Provisioning
- Eliminated inefficiencies in the internal Django-based build-scheduling tool
- Tracked down and destroyed bugs in the tool's SQL schema implementation
- Contributed to the internal documentation of the scheduler's current infrastructure

Software Developer   **Blindside Networks**   **Summer 2012**
  BigBlueButton
- 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

EDUCATION

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

AVAILABILITY

Available for 4 months starting September 2013

TECHNICAL EXPERIENCE

Personal Projects
- **tmprtr (2013):** Zero-click weather web app displays instant, up-to-date location-based weather conditions
- **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

Team Projects
- **68HC12/Axiom Driver (2012):** Assembly-based driver for an HC12 microprocessor and Axiom project board
- **CampusGrids (2012):** Social website that helps Carleton students find and share events and clubs on campus
- **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, Ruby, Python, Java, C, XML/SVG Schema, HTML5, CSS, SQL
Frameworks: NodeJS, Ruby on Rails, Django
Libraries: JQuery, Bootstrap, RaphaelJS, PopcornJS, SocketIO (WebSockets)
Tools: Git, Redis, MySQL, Eclipse, Heroku
Practices: OOP, MVC, TDD, Agile