



Education

Bachelor of Mathematics in Honours Computer Science. University of Waterloo (2007).

Technical Skills

JavaScript, CSS(3), HTML(5), Selenium, AngularJS, jQuery, AWS, HTTP, JSP, XSLT, XPath, JSON, ZURB Foundation, Apache Ant, LaTeX, Chrome DevTools, git, svn, DITA Open Toolkit, SDLC, Agile/Scrum, JIRA, BugZilla

Employment History

Aeryon Labs Inc.

Web Applications Test Engineer

Waterloo, Ontario
June 2016 – present

- Wrote test automation scripts (Selenium) for live.aeryon.com - our UAV video and telemetry streaming service.
- Developed py.test/nose test suites for Aeryon Live's public REST API, along with performance benchmarking (ab/Gatling).
- Implemented quality baselines (via Datadog and Loggly reporting) for production services.
- Wrote tooling to validate STANAG 4906 metadata streaming.
- Developed test strategies for vehicle control software and systems integration (both in simulator and real world flight tests).

Vidyard

Software Developer

Kitchener, Ontario
October 2015 – May 2016

- Supported development of Vidyard's customer facing video management tool (Rails + Backbone.js).
- Worked on platform integrations with third party APIs including Facebook and Twitter.
- Developed Chrome extension to expose Vidyard features from within Gmail.

BlackBerry Limited

Software Tools Developer II

Waterloo, Ontario
November 2010 – October 2015

- Part of the development team responsible for Help and Tutorial applications deployed on BlackBerry devices (BB10 and BBOS).
- Implemented front end view for help.blackberry.com and developer.blackberry.com.
- Developed XSL transformations used by BlackBerry technical writers; generating enterprise, developer, and consumer documentation.
- Regular contributor to projects within internal "BlackBerry Labs" writing several popular HTML5/WebWorks applications.

Primal Fusion Inc.
Front End Developer

Waterloo, Ontario
September 2007 – November 2010

- Member of the User Experience Group developing HTML5 applications for internal prototyping and investor demonstrations.
- Tasked with implementation and testing of responsive layouts for www.primal.com.
- Acted as agile team Scrum Master responsible for running weekly demos, daily stand-up meetings, and maintaining the requirements backlog.
- Responsible for administering internal Apache HTTP servers, GNU/Linux VMs, and source control repositories (SVN).

Centre for Extended Learning, University of Waterloo
Web Developer (Co-op)

Waterloo, Ontario
September 2004 – January 2007

- Worked with faculty and instructional staff to create course content in Flash/ActionScript for undergraduate calculus, computer science, and biochemistry courses.
- Implemented bash scripts to help automate deployment and course packaging activities.

Information Systems, Transfreight Inc.
Technical Support Analyst (Co-op)

Cincinnati, Ohio
September 2002 – April 2004

- Responsible for LAN administration, hardware procurement, and on-site technical support for satellite offices throughout the Midwestern United States.
- Developed (J2SE) tools to collect usage data from proprietary logistics software.

Activities and Interests

- Member of the Canadian Forces (Reserve) 31 Combat Engineer Regiment (2007 – present).
- Undergraduate Research Assistant to Dr. Michael Terry, UW Human Computer Interaction Group (2007).
- High school math tutor (2004 – 2007).
- FIRST Robotics (Waterloo Regional) Volunteer (2005 – 2007).
- Provided web development and technical support for Norfolk General Hospital in Simcoe, Ontario (2004).
- Conversant in French (French Language Certificate Level I, University of Waterloo).