

Thomas Ayre

ayre.tom@gmail.com
<https://tayre.github.io>
519.729.8086



Education

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

Technical Skills

JavaScript (ES5), Python, Robot Framework, Selenium, GNU/Linux, AngularJS, jQuery, AWS, JSP, XSLT, XPath, JSON, ZURB Foundation, Apache Ant, LaTeX, Chrome DevTools, git, DITA Open Toolkit, SDLC, Agile/Scrum, JIRA

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.
- Developed tests for vehicle control software and systems integration (Gazebo + Robot Framework).
- Wrote tooling to validate STANAG 4906 metadata streaming.

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).