

# Harold Treen

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## Work Experience

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### Software Engineer Intern

**Mobify**

**May 2015 – Present**

- Working with the AdaptiveJS web framework as a member of the Product Team



### Software Engineer Intern

**Pivotal Labs**

**Sep 2013 – Aug 2014**

- Co-wrote the backend for a distributed student management system (using Ruby on Rails and Postgres).
- Completely refactored the frontend game viewer for a 1,000,000+ user early learning website, resulting in 35% less code and the ability to embed multiple viewers (using AngularJS, jQuery, HTML5 and CSS).
- Strong focus on test-driven development using Jasmine and RSpec, resulting in 99%+ code coverage (1600+ tests running in under 2 minutes).
- Exceptional scores on all intern evaluations.



### SDET Intern

**Microsoft Corporation**

**May 2013 – Jul 2013**

- SDET for the "Headers & Footers" feature of the Word Web Apps.
- Wrote test automation in C# to verify consistency of header & footer content between the desktop and web versions of Word.
- Reduced time for document formatting tests by 50% by automating comparisons of multiple documents.



### Agile Test Engineer Intern

**Xtreme Labs**

**May 2012 – Aug 2012**

- Implemented first set of internal tools in Bash and Java for Android test automation using the Robotium test framework.
- Improved build/install/test times by 30% by developing Bash scripts for parallelizing install/test tasks for up to 20 devices.
- Automation work highlighted on the company blog.

## Education

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**Kingston, ON**

**Queen's University**

**Sep 2010 – Present**

- BASc in Computer Engineering with Professional Internship. Cumulative GPA: 3.56

## Additional Experience

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### Workshop Mentor

**Ladies Learning Code**

**Oct 2013 – Aug 2014**

- Canada wide organization that works to increase the number of women involved in technology.
- Mentored workshops covering a variety of topics including: Processing, Ruby, Wordpress, Javascript, Responsive Web Design, CSS and HTML.



### Electrical Systems Manager

**Queen's Baja SAE**

**Sept 2013 – May 2014**

- Developed a data acquisition system for tracking speed and GPS data using an Arduino and C / C++.
- Created a custom dashboard to display live car metrics to the driver during races.