

Harold Treen

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Work Experience



Software Engineer Intern

Mobify

May 2015 – Dec 2015

- Improved Adaptive.js perceived performance by 30% through the release of site preloaders.
- Transitioned documentation to Github from Readme.io by building the 'readmeio-sync' npm package.
- Actively engaged in improving engineering culture through contributions to the Mobify Developer Values and doing a testing best practices presentation at the engineering meeting.



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



Kingston, ON

Queen's University

Sep 2010 – April 2015

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

Additional Experience



Workshop Mentor

Ladies Learning Code

Oct 2013 – Present

- 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 the car's speed and GPS data.
- Created a custom dashboard to display live car metrics to the driver during races.