Harold Treen

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Work Experience

Participant

Oct 2016 - Dec 2016

- Updated the EpubPress API to be fully asynchronous and support progress monitoring.
- Worked through **Haskell** courses from the University of Pennsylvania and NICTA.
- Pair programmed with peers and led workshops on testing and non-violent communication.

Software Engineer (Contract)

Readme

Recurse Center

Aug 2016 - Sep 2016

• Built a CLI and microservice to generate swagger files from inline API definitions (using **Node** and **Express**)



Software Engineer (Contract)

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Apr 2016 - Sep 2016

• Developed edit and plugin functionality for core note taking app (using React, Redux and Ruby on Rails).



Software Engineer Intern

Mobify

May 2015 – Dec 2015

- Improved perceived performance of client sites by up to 30% through the release of site preloaders.
- Built an open source CLI for managing the product documentation, allowing for improved collaboration.



Software Engineer Intern

Pivotal Labs

Sep 2013 – Aug 2014

- Co-wrote the backend for a student management system (using **Ruby on Rails** and **Postgres**).
- Completely refactored the frontend game viewer for a 1,000,000+ user website, resulting in 35% less code and the ability to embed multiple viewers (using **Angular**, **jQuery**, **HTML5** and **CSS**).
- Strong focus on test-driven development, resulting in 99% code coverage from 1600+ tests running in less than 2 minutes (using **Jasmine** and **Rspec**).



SDET Intern

Microsoft Corporation

May 2013 – Jul 2013

- Wrote test automation to verify consistency of header & footer content between the desktop and web versions of Microsoft Word (using **C#**).
- Reduced time for document formatting tests by 50% by automating comparisons of multiple documents.

Education



BSc, Computer Engineering

Queen's University

Sep 2010 - Apr 2015

Major in Computer Engineering and Professional Internship. Graduated with first class honours.

Additional Experience



Creator

EpubPress

Feb 2016 – Present

- Set of tools for creating ebooks from a collection of webpages (using Node, Javascript, HTML and CSS).
- Chrome and Firefox extension with over 3000+ active users and 4.6/5 average rating. (https://epub.press)

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Workshop Mentor

Ladies Learning Code

Oct 2013 - Nov 2015

Mentored beginner programming workshops covering a variety of topics including: Processing, Ruby,
WordPress, Javascript, Responsive Web Design, CSS and HTML.

Hobbies: Improv comedy, cooking, baking, bicycle repair, international travel, ballroom dance and slackline.