Harold Treen

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Work Experience

Sabbatical **Remote / The Recurse Center** **Jan 2016 – Dec 2016**

- Created EpubPress, a popular set of tools for creating ebooks (using **Node.js**, **Javascript**, **HTML** and **CSS**).
- Developed edit and sync functionality for an AI driven notes startup (using **React**, **Redux**, **Ruby on Rails**).
- Built a CLI for generating Swagger files from inline API definitions for a Y Combinator backed startup.
- Participated in a 12-week coding retreat at the Recurse Center. Focus on self-directed projects:
  - Updated the EpubPress API to be asynchronous and support progress monitoring.
  - Worked through Haskell courses from the University of Pennsylvania and NICTA.
  - Mentored peers and led workshops on testing and non-violent communication.

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.
- Actively engaged in improving engineering culture by contributing to the "Mobify Developer Values" and presenting on best practices at engineering meetings.

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 **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).

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.

Education

Kingston, ON **Queen's University** **Sep 2010 – Apr 2015**

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

Additional Experience

Creator **EpubPress** **Apr 2016 – Present**

- Web service for creating custom ebooks from a collection of webpages. (https://epub.press)
- Chrome and Firefox extension with over 2000+ active users and 4.6/5 average rating.

Workshop Mentor **Ladies Learning Code** **Oct 2013 – Nov 2015**

- 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**.

Non-technical Interests: Improv comedy, cooking/baking, bicycle repair, international travel, ballroom dance.