

Joshua Kalpin

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Technical Skills

Proficient Languages: C, C++, Ruby, Java, Objective-C

Familiar Languages: Bash, JavaScript, \LaTeX , MATLAB, SQL

Frameworks and APIs: Sinatra, iOS, Android, Swing, GWT, JUnit, PostgreSQL, Appium, Bacon

Tools: Windows, OS X, Ubuntu, Git, Jenkins, GDB, Valgrind

Experience

Core Contributor

CocoaPods

Open Source

October 2013 – Present

- CocoaPods is a package manager, similar to RubyGems and Bundler, for iOS and OSX applications
- Currently completing a refactor of the linter to improve its code quality and scalability
- Developed multiple improvements to increase validation coverage on the linter

Engineering Intern

Lookout Inc.

San Francisco, CA

August 2013 – December 2013

- Designed a framework to provision iOS devices for premium features on specific carrier networks
- Developed the client-side implementation of RESTful Contact Backup in a 24-hour company-wide hackathon
- Hacked the Android emulator in C to allow for the configuration of previously hard-coded properties
- Expanded test automation for the Lookout iOS app in Ruby using Appium

Mobile Applications Developer

Enflick Inc.

Waterloo, ON

December 2012 – April 2013

- Completed a technical rewrite and visual redesign of the TextNow iOS application in Objective-C
- Developed highly flexible and dynamic user interfaces for TextNow
- Designed an automated testing framework to significantly increase iOS test coverage

Ninja Software Developer

Salesforce.com - Work.com (Rypple)

Toronto, ON

April – August 2012

- Developed both client- and server-side code in Java using GWT with test-driven development
 - Collaborated on the design and development of front-end and REST APIs for search and notifications
 - Completed UI overhauls on emails and parts of the Work.com application in HTML and CSS
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Projects

Paywall Smasher: A Google Chrome extension, written in JavaScript, that hides poorly written paywalls

Gimgur Server: A small Sinatra app that creates Imgur albums when given a list of images

This Resume: This resume is written in \LaTeX with the source code on GitHub

Education

University of Waterloo

Candidate for a Bachelor of Software Engineering (BSE)

Waterloo, ON

2011 – 2016

William Lyon Mackenzie Collegiate Institute

Ontario Secondary School Diploma

North York, ON

2007 – 2011

Activities and Interests

- Organizer of SE Hack Day, an event for creating and sharing cool projects
- Student Services Commissioner for the Waterloo Engineering Society
- Writer and Editor for the Iron Warrior, the Waterloo Engineering Newspaper
- Budding audiophile and lover of a wide variety of music; especially progressive rock/metal and classical
- Huge science fiction and fantasy nut with favourite authors including Brandon Sanderson and Isaac Asimov