Joshua Kalpin

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Technical Skills

Proficient Languages: C, C++, Ruby, Java, Objective-C
Familiar Languages: Bash, JavaScript, LaTeX
Frameworks and APIs: Sinatra, iOS, Android, Swing, GWT, JUnit, PostgreSQL, Appium, Bacon
Tools: Windows, OS X, Ubuntu, Git, Jenkins, GDB, Valgrind

Experience

Core Contributor   **Open Source**
CocoaPods   *October 2013 – Present*

 – CocoaPods is a dependency manager, similar to bundler, for iOS and OSX applications
 – 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   **San Francisco, CA**
Lookout Inc.   *August 2013 – December 2013*

 – Designed a method of provisioning 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   **Waterloo, ON**
Enflick Inc.   *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   **Toronto, ON**
Salesforce.com - Work.com (Rypple)   *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

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

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Education

University of Waterloo   **Waterloo, ON**
Candidate for a Bachelor of Software Engineering (BSE)   *2011 – 2016*

William Lyon Mackenzie Collegiate Institute   **North York, ON**
Ontario Secondary School Diploma   *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