Andrew C. Russell

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Education

Pomona College — Claremont, CA GPA: 3.77
Bachelor of Arts in Computer Science, Minor in Classics Expected Graduation Date: May 2015
Relevant Coursework:
  Augmented Reality Independent Study; Video Game Console Design; Database Systems; System Administration Seminar; Digital Electronics; Filesystems; Software Development; Artificial Intelligence; Domain-Specific Languages
Honors and Awards:
  Pomona College Scholar (top 25% of class): *Fall 2014, Spring 2014, Fall 2013, Spring 2012, Fall 2011*

Experience

Software Engineering Intern *May 2014—August 2014*
Google Mountain View, CA

- Assisted the Android team with both server and client work to implement a cutting-edge API
- Refactored a legacy RPC to use a new, more encapsulated interface
- Added an etag parameter to improve client polling efficiency, saving an average of 1KB per request
- Designed an interface for paginating large server responses, weighing the pros and cons of various approaches

Engineering Practicum Intern *May 2013—August 2013*
Google Mountain View, CA

- Tripled the speed of a long regression test used often by the Ads team
- Eliminated difficult-to-maintain Python code, designed a script to generate it based on an XML schema

Computer Science Mentor *September 2012—December 2014*
Pomona College Claremont, CA

- Tutor 30 students during weekly mentor sessions, providing supplemental instruction
- Grade students' weekly assignments, evaluating based on correctness and style
- Mentored Artifical Intelligence, Computer Systems, Data Structures, and Introduction to Computer Science

Software Development Skills

Languages: Java, Python, C++, JavaScript, HTML5/CSS3, Scala, Bash, Scss, SystemVerilog, Haskell, Objective-C, C, LaTeX
Software: Vim, Unix, Git, Eclipse, IntelliJ, Android Studio, Docker, CMake, SBT, Grunt, XCode, ModelSim, SVN
Frameworks/Libraries: iOS, Android, JUnit, jQuery, Chrome Extensions, Flask, Node.js, Swing/AWT, ScalaTest

Activities/Interests

Primary Organizer and Founding Member, **Claremont Hack** *October 2012—Present*
- Organize the 5C Hackathon, a semiannual coding competition with over 300 attendees
- Teach web and mobile development during Hack Week, a nightly seminar attended by 100+ students
- Serve as chief liaison to tech company sponsors
- Promote collaboration between students across the Claremont Colleges

Open Source Contributor, *January 2012—Present*
- Added support for the fish shell in Vim (patch 7.4.276)
- Fixed rendering bugs and added Windows support to instant-markdown-d, a Markdown preview server
- Added the ability to specify build-time external commands to NeoBundle, a popular Vim plugin manager

Winner of *Best Game*, **5C Hackathon** *Spring 2013*
- Designed and implemented a puzzle game for the Nintendo GameBoy with three other teammates

Treasurer and Founding Member, **J'NEX** *September 2013—Present*
- Handle finances for Pomona's Japanese culture club

Experienced translator of Latin *Spring 2013—Present*
- Contributor to Google Translate and the Latin translation of reddit and Facebook

Eagle Scout, **Boy Scouts of America** *August 2011—Present*