

Andrew C. Russell

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<http://www.github.com/euclio>
<http://www.acrussell.com>

Education

Pomona College — Claremont, CA
Bachelor of Arts in Computer Science, Minor in Classics
Relevant Coursework:

GPA: 3.77

Expected Graduation Date: May 2015

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
Google

May 2014–August 2014
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
Google

May 2013–August 2013
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
Pomona College

September 2012–December 2014
Claremont, CA

- Tutor 30 students during weekly mentor sessions, providing supplemental instruction
- Grade students' weekly assignments, evaluating based on correctness and style
- Mentored Artificial 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