Andrew H. Russell

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EDUCATION

Pomona College - Claremont, CA
B.A. in Mathematics (expected May 2016)
B.A. in Computer Science (expected May 2016)
Minor: Political Philosophy
GPA: 3.6

Paradise Valley Community College (in lieu of high school) - Phoenix, AZ
Graduated May 2012
GPA: 3.9 (90 credit hours) (starting at age 13)

SKILLS

Familiar with multiple programming languages and paradigms, especially: Python, C, PHP, Lisp, Haskell

EMPLOYMENT

Software Engineer: Clef   San Francisco, CA - Summer 2013
First hire of fast-moving tech startup based in San Francisco. Worked as full-stack developer (PHP, Python, JavaScript, Android, SQL, security) on all aspects of the Clef platform.

Software Engineering Intern: GreenNurture   Phoenix, AZ - Summer 2012
Created automated testing suite for GreenNurture's online application using Selenium Web-Driver.

Software Engineering Intern: S2 Games   Kalamazoo, MI - 2011-2012
Created automatic documentation system for the internal use of S2 developers. Created front-end application to query S2's game statistic database to provide graphical analysis and feedback for game designers.

Manager & Co-Founder: Team Alias   Phoenix, AZ - 2008-2010
Co-founded and executively managed "Team Alias," the top team in its game, and one of the fastest growing e-sports brands in 2009. Successfully solicited corporate sponsorship. Represented Team Alias as the youngest ever community representative (age 15) at Electronic Arts' 2009 Community Summit in Cologne, Germany by invitation and expense of EA.

ADDITIONAL EXPERIENCE

Interest in **artificial intelligence and machine learning.** Experience creating programs to reproduce speech and musical style. Recently completed a brief research project on identifying individuals by the way that they type.

Real world experience and academic interest in **computer and network security** with work on Clef's internal security systems, current development of a secure peer-to-peer "cloud hosting" service based on the WebRTC and BitTorrent protocols, and self-study of number theory and cryptography.

RELEVANT COURSEWORK

Data Structures, Systems, Artificial Intelligence, Number Theory & Cryptography, Linear Algebra, Multivariable Calculus, Combinatorics, Abstract Algebra, Probability.

INTERESTS & ACTIVITIES

Longtime member of the outdoors community with extensive experience in leading and participating in numerous multi-week backpacking and whitewater kayaking trips around the world. **Eagle Scout**.

Accomplished violinist for 13 years; former member of the Phoenix Youth Symphony.