Andrew M. Hou

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Seattle, WA 98112   Email: hou.andrew@gmail.com

Experience

Cequint, Inc.   Seattle, WA

Software Engineer   *August 2012 - Present*

- Developed content-rich mobile messaging system for carriers to reach customers. Implemented in HTML, CSS, JavaScript, and native Android (Java).

Cequint, Inc.   Seattle, WA

Test Engineer   *October 2011 - August 2012*

- End to End testing on mobile applications systems. Android applications testing, test-automation, and development of in-house web tooling.

Department of Bioengineering, University of Washington   Seattle, WA

Grader/Teaching Assistant   *March 2011 - June 2011*

- Bioengineering Signals and Sensors - Undergraduate course. Grading homework assignments and quizzes. Providing office hours for extra help to students.

Sage: Open Source Mathematics Software   Seattle, WA

Undergraduate Researcher   *Sept. 2009 - March 2010*

- Designed and implemented statistics modules in Python-based mathematics software. Developed code and documentation.

Boy Scouts of America   Olympia, WA

Member   *Dec. 2004 - Present*

- Eagle Scout, National Eagle Scout Association Academic Scholarship Recipient
- Section W-1N 2011 Conclave Vice Chief of Shows. Producer of stage show for Washington/Alaska regional event
- Order of the Arrow Shows, BSA National Jamboree 2010. Stage show production for 25,000 participants
- Assistant Scoutmaster, Troop 9-266, Pacific Harbors Council

Education

University of Washington   Seattle, WA

B.A. – Mathematics   *Sept 2008 – August 2011*

- Relevant Coursework: Computer Programming for Mathematicians; Data Structures and Algorithms; Computer Programming I, II; Real Analysis; Linear Analysis; Probability and Statistics for Engineers; Discrete Mathematical Models; Introduction to Bioengineering Instrumentation; Bioengineering Signal Processing; Introduction to Synthetic Biology; Computational Bioengineering; Introduction to Technical Writing

Research

Adenosine Supersensitivity in Coronary Blood Flow Regulation   Seattle, WA

Bassingthwaighte Lab, Dept. of Bioengineering   *Jan 2009 – June 2011*

- Computational modeling; program optimization; cardiac microcirculation and auto-regulation
- Experimental Biology 2010, Anaheim CA: Poster Presentation, Abstract: 973.14
- Mary Gates Undergraduate Research Symposium: Poster Presentation
- Web-based tutorials for NSR Physiome Project

Skills

Technology JavaScript, HTML, CSS, Java, Android. Basic knowledge of Python and Ruby. Can work natively in UNIX and Windows.

Communication Fluent in Mandarin and English. Excellent communication and analytical skills.