Angela Lin

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Education

University of California, San Diego   **September 2013 – present**

B.S. Computer Science. 3.788 GPA.   Graduation: June 2017

- <u>Coursework</u>: Data Structures & Object-Oriented Design; Computer Organization & Systems Programming; Discrete; Mathematics for Algorithms & Systems; Advanced Data Structures; Design & Analysis of Algorithms; Intro/Theory of Computation; Components & Design for Digital Systems; Principle of Computer Operating Systems; Database System Principles; Intro to Artificial Intelligence: Search & Reason

Skills

- Programming languages: Java, C, C++, HTML, CSS, JavaScript, JQuery
- Technologies: Git, Valgrind, GDB, Eclipse, AJAX, PHP, MySQL

Experience

Software Engineering Intern – Juniper Networks   **June 2016 – September 2016**

- Worked with vSRX team to improve, test, and configure a virtual firewall to reach 100Gbps large packet throughput
- Developed flavor fallback feature that examines available resources to determine the highest suitable firewall flavor for the user
- Used: C, Bash scripting

Tutor – UCSD CSE Department   **September 2015 – June 2016**

- Debugged and provided guidance on programming assignments to students taking CSE 100 (Advanced Data Structures)
- Explained concepts such as binary search trees, treaps, and Huffman encoding
- Used: C++

Software Engineering Intern - Cisco Systems   **June 2015 – September 2015**

- Created a framework to help QA engineers easily customize test cases for a UI
- Assisted multiple engineers in automating software testing procedures for a product release
- Worked with a variety of technology such as Selenium, Maven, TestNG
- Troubleshooted and isolated customer network and design problems
- Used: Java, JQuery

Undergraduate Researcher- REACToR   **March 2015 – June 2016**

- Shadowed a UCSD research team working to optimize circuit switching technology
- Studied and analyzed various networking research papers
- Presented comparison of competitive technology to the team's leading professors

Intern - Stroller Hikes   **June 2011 – August 2011**

- Assisted the Stroller Hikes tech development team in creating a web-based interactive map
- Implemented a feature that generated popups displaying hiking event information when the user hovers over specific map points
- Helped code a search tool that asks the user for preference selections, searches the database for hikes that match the user's input, then displays a table of the results
- Used: HTML, PHP, Javascript, AJAX, MySQL