Steven Zheng

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Education

University of California, San Diego   **B.S. Expected June 2018**

Major: Computer Science   **Fall 2014 – Present**
- Overall GPA: 3.95
- Major GPA: 4.00

Relevant Coursework: Design and analysis of algorithms, Computer Organization and Systems Programming, Advanced Data Structures, Software Engineering, Human-Computer Interaction and Design,

Operating Systems, Programming Languages: Principles and Paradigms (in progress)

Experience

Software Development Intern - Jet Propulsion Laboratory   **Summer 2015**
- Improved ease, speed, reliability, and consistency of Data Capture and Delivery software installation by converting the installation process from using a Perl script to using software packages. Worked with the RPM Package Manager and Solaris 10 Package Manager formats.

Software Development Intern - Jet Propulsion Laboratory   **Summer 2016**
- Researched, developed, and tested artificial neural networks in available bandwidth prediction for spacecraft telemetry
- Designed and created a testing framework to generate spacecraft mission data simulations and run the simulated data through the neural networks

Projects

Taskr   **Winter 2015**

Led a team of developers to create a task manager app for Android that automatically and fairly assigns tasks based on their difficulties to individuals in a group for a team of clients. Designed an algorithm that used the difficulties of tasks as weights to evenly distribute tasks among a group of members.

FriendsnFood   **Winter 2015**

Developed a mobile web app that automatically schedules meals between friends and students at UCSD to promote social bonding without the hassle of communication and coordination.
Link: friendsnfood.herokuapp.com

Skills

- Languages: Python, Java, C, C++, Swift, HTML5, CSS3, Javascript, and Perl
- Tools: jQuery, node.js, Git, Unix, Google Analytics, REST
- UX/UI Design: Prototyping, Heuristic (Usability) Evaluation, A/B Testing
- Software Engineering: Agile Development, Behavior and Test Driven Development, Waterfall/Spiral Model
- Leadership: Communication and development lead for in-class software engineering team

Activities

- UCSD Campus representative and ambassador for JPL Deep Space Network Telemetry internship opportunities