JESSICA HOU

Santa Clara, CA

503-980-5815 | jhou@scu.edu | linkedin.com/in/jessica-hou/ | http://jhou.xyz/ | github.com/jhou45

EDUCATION

Santa Clara University, College of Arts & Sciences   **Santa Clara, CA**
Bachelor of Science in Computer Science, Minor in Mathematics   Class of Jun 2021
- **GPA:** 3.8
- **Honors/Societies:** Alpha Kappa Psi, Robert Warren Scholar, Provost Scholar, University Honors Program
- **Relevant Coursework:** Algorithms, Automata Theory (in progress), Computer Graphics, Data Structures, Discrete Mathematics, Embedded Systems, Logic Design, Linear Algebra, Object-Oriented Programming, Operating Systems (in progress), Probability and Statistics, Software Design & Management (in progress)

WORK & LEADERSHIP EXPERIENCE

Hewlett-Packard Enterprise   **San Jose, CA**
Systems/Software Engineer Intern   Jun 2019 – Present
- Enhanced real-time data generation and graphic visualization of defect transition history for 3PAR (Primera) Storage PMO
- Streamlined analysis of historical bug movements by implementing Python scripts (REST API & SQL Server) and upgrading internal web GUI (AngularJS, ASP.NET & C#)
- Collaborating with release managers and software engineers in an agile software development cycle

Santa Clara University, Math/CS Department   **Santa Clara, CA**
CS 10 Lab Teaching Assistant & Grader   Jan 2019 – Present
- Tasked to hone students' application of concepts learned in Intro to Programming course (programming structures, conditionals, loops, functions, and arrays)
- Corresponds with computer science professor to instruct and facilitate lab of 30+ students twice a week
- Addressing lab procedural inquiries to foster greater understanding of basic computer science concepts and C++ syntax

Code to the Future   **Portland, OR**
Instructor   May 2018 – Aug 2018
- Assigned to instruct younger technology-driven students through block-based coding video game design (Scratch) and Minecraft "modding" using Eclipse IDE and Java
- Spearheaded 6-hour classes of a total of ~40 students and trained fellow instructors on structure of curriculum
- Improved students' knowledge of the debugging process, code organization & programming logic

PROJECTS

Bug Bounce   **San Jose, CA**
Language: Python; Tools & Technologies: Microsoft SQL Server, REST API   June 2019 – July 2019
- Developed two implementations of Python script to track defect bounces into and out of any organization within HPE in a given time frame
- Delivered substantial insight into triaging efforts of development teams for product owners, scrum masters, and program managers

Avenger   **San Jose, CA**
Languages: C#, JavaScript; Tools & Technologies: AngularJS, ASP.NET, Visual Studio   July 2019 – August 2019
- Enhanced internal HPE bug analytics web app by engineering additional filtering capabilities for defect transitions and program analytics tools
- Increased accessibility and efficiency of bug data-gathering to measure overall feature team productivity

SKILLS, ACTIVITIES & INTERESTS

Languages: Fluent in English; Conversationally proficient in Mandarin
Tools: Proficient in Adobe Illustrator; Familiar with Angular/AngularJS, HTML5/CSS3, Jira, PyCharm, Vim & XCode;
Programming Languages: Proficient in C++ & Python; Familiar with Assembly, C#, Java, JavaScript, T-SQL & Verilog
Activities: ACM-W, SWE, Women in STEM
Interests: Frida Kahlo, Foodie, Painting, Sketching, Tennis, Traveling