BRIAN CHOU

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EDUCATION

University of California, Irvine   Irvine, California
B.S. Computer Science   Expected Graduation: March 2020
Dean's Honor List: Fall 2016 - Winter 2020   Cumulative GPA: 3.726
Relative Coursework: Intermediate Programming in Python, Data Structure Implementation & Analysis (C++), Introduction to Data Management (SQL), Computer Networks, Design and Analysis of Algorithms

SKILLS

Technical Skills: Python, C++, Bash, HTML/CSS, Javascript, Adobe Photoshop, Adobe Illustrator

WORK EXPERIENCE

Amazon Web Services   **East Palo Alto, CA**
Software Development Engineer Intern   June 2019 - September 2019
- Implemented features on AWS Kinesis Analytics console to support multiple input streams and manage runtime properties
- Developed in Pug to update console interface, and TypeScript and AngularJS for logic behind the feature implementations
- Consolidated customer workflow by enabling configuration of their applications through an interface rather than command line

Barclays Investment Bank   **New York City, NY**
Software Engineering Intern   June 2018 - August 2018
- Developed Python tool to conduct fail-over tests on High Frequency Trading server interfaces to streamline server building
- Created various Bash and Python scripts to conduct end-of-life analysis reports on server software to generate budget timelines
- Utilized ServiceFirst API to generate quarterly colocation access requests to notify teams and to provide auditing documentation

ASI Corporation   **Fremont, CA**
Web Developer Intern   August 2017 - November 2017
- Developed PHP program to load and map products under ASI's product database with MySQL in order to unify company access
- Assisted in matching product numbers with their respective numbers in the database to ensure up-to-date inventory

PROJECTS

Othello Game
- Implemented Othello game logic in Python, with options of a customizable board size and game mode
- Utilized the Tkinter library to create a graphic user interface as opposed to playing the game in the Python Shell
- Developed an artificial intelligence player feature by implementing the Alpha-Beta Pruning search algorithm

Link Folders Chrome Extension
- Allows users to save their tabs/links in easily accessible folders organized in a user-friendly interface
- Saves computer memory and gives users the freedom to open up their links instantly and simultaneously with a single click
- Used HTML/CSS and JavaScript to store, manage, and modify user inputted information through localStorage

UC Irvine Delta Sigma Pi - Director of Technology
- Lead frontend developer for ucidsp.com and work with other directors to perform quarterly updates on fraternity content
- Plan and create new content to improve UI/UX and incorporate feedback from executive committee members

EXTRACURRICULAR ACTIVITIES

Associated Students - University of California, Irvine   **Irvine, CA**
Student Services Campus Spirit Assistant Commissioner   May 2018 - Present
- Organize and execute student-involved events to develop a stress-free environment for UC Irvine students
- Plan athletic events in support of UC Irvine's Athletic Department and spirit events to cultivate a sense of school spirit and pride
- Lead and train a team of 10 interns in order to implement large scale, school-wide events