KIMBERLY LI

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EDUCATION

University of California, San Diego (UCSD)   **Fall 2015 - Spring 2019**

- B.S. Mathematics and Computer Science - GPA 3.7

EXPERIENCE

Lucasfilm / Industrial Light & Magic – IT Operations, Intern   **June - September 2017**

- Wrote scripts to automate tasks, such as parsing through a server of users and feeding specific data directly onto sheets to automatize a routine monitor color calibration.
- Implemented a more efficient Asset Management tool for bulk imports
- Assisted in data center operational tasks such as refreshes, system upgrades, and network wiring
- Collaborated with multiple departments to provide general troubleshooting and client support for artists, engineers, and production staff
- Developed a proof of concept for endpoint data protection and implemented data monitoring software within our environment

UCSD CSE Department – TA/Tutor, Fluency In Information Technology   **March 2018 – Current**

- Lead homework help hours, help students debug assignments, and reinforce course material
- Lead and guide students through weekly labs (HTML, CSS, JavaScript, Python, Microsoft Suite)
- Work with other tutors to develop labs and assignments for course
- Proctor and grade exams and programming assignments

PROJECTS

Onewalk – Software Development Lead (Java)   **March - June 2018**

- Created a gamified pedometer application that strives to encourage players to lead a healthier lifestyle using Android Studio and Firebase
- Implemented a daily quest and leaderboard system with in-game currency rewards, which the user may use to customize their avatar in the in-game shop

Uptime Dashboard For Monitoring Cloud Services (Powershell, HTML, CSS)   **Summer 2017**

- Monitors cloud services by routinely pinging for server status
- Generates and uptime dashboard with summary of working and nonworking services
- Notifies users on email list when site is down

Keyboard Chatter Correction Script (Python)   **Winter 2017**

- Key listener application that corrects faulty mechanical keyboards using keyboard hook
- Calculates timing between keyboard input by analyzing down and up presses, and corrects false double presses by suppressing output of repeated key inputs

Remote Process Manager (BASH)   **Fall 2016**

- Handles options to determine if processes are terminated gracefully or not
- Flags determine whether processes terminated are specified by their PID or process name

SKILLS

Programming Languages: Java, C, C++, Python, HTML, CSS, JavaScript, BASH, PowerShell, Verilog, R, SPARC Assembly, MATLAB
Other Skills: Linux, Git, Logging, Scripting, Adobe Photoshop, Microsoft Suite
Design Tools: Eclipse IDE, DrJava, Vim, Notepad+, PyCharm