KIMBERLY LI

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EDUCATION

University of California, San Diego (UCSD)   *2015-2019*
B.S. Mathematics and Computer Science – GPA 3.7

WORK EXPERIENCE

LUCASFILM | INDUSTRIAL LIGHT & MAGIC – IT OPERATIONS, INTERN   *June-September 2017*

- Wrote scripts to automatize tasks, such as parsing through a server of users and feeding specific data directly onto sheets to automatize a routine monitor color calibration (BASH)
- Implemented a more efficient Asset Management tool
- Performed data center operational tasks such as refreshes, system upgrades, and network wiring
- Collaborate with multiple departments to provide troubleshooting and client support for artists, engineers and production staff
- Implemented data monitoring software for endpoint data protection

UCSD CSE DEPARTMENT – CSE 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   *March 2018- 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

MECHANICAL KEYBOARD CHATTER CORRECTION SCRIPT (PYTHON)

- Wrote a 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 within 10 milliseconds

UPTIME DASHBOARD FOR MONITORING CLOUD SERVICES (POWERSHELL, HTML, CSS)

- 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

BASH SCRIPT THAT TERMINATES ALL PROCESSES BELONGING TO THE USER BASED ON OPTIONS PASSED

- 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/DESIGN TOOLS: Linux, Git, Logging, Scripting, Adobe Photoshop, Microsoft Suite, Eclipse IDE, DrJava, Vim, Notepad+, PyCharm