Vicky Guan

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OBJECTIVE

Diligent and dedicated engineer seeking SWE and Program Management Intern positions for Summer 2017

EDUCATION

University of California, San Diego
BS in Computer Engineering
GPA: 3.34 // Grad: Dec 2017
La Jolla, CA

COURSEWORK

Computer Science
Advanced Data Structures, Software Tools, Object-Oriented Design, Computer Organization, Algorithm Analysis, Software Engineering App Development, Team Project Based Engineering

Enterprise/Business
Product Marketing and Management, Mandarin, Urban World Studies

SKILLS

Programming
Java, Python, Bash, C++, C, Arm
Familiar with HTML/CSS, JavaScript, SQL, Verilog, Unit Testing

Technologies
VIM, Eclipse, Android Studio, PyCharm, Git, Confluence, JIRA, UNIX, MySQL, GDB, Flask, Jinja, Angular, Firebase, Firebase Cloud Messaging, Apptio DataLink, Node.js, MS Office, Excel, PowerPoint, Word

Techniques
Agile, BDD, Design Patterns, Android Development, Refactoring, Design By Contract

AWARDS

Provost Honors Spring 2015, Spring 2014

EXPERIENCE

@WalmartLabs, Systems Engineer Intern
JUN 2016 – AUG 2016 | Sunnyvale, CA
- Monitored all production server health and statuses across each data center by developing automated Python and bash scripts on Pycharm
- Automated data collection and script enforcement through storing monitoring results into a MySQL database for internal access
- Collaborated with team members in developing an internal dashboard using HTML/CSS, MySQL, Angular, Node.js, JavaScript API for team infrastructure status visibility and synchronization

@WalmartLabs, Data Analyst Intern
JUN 2015 – DEC 2015 | Sunnyvale, CA
- Extracted data from WalmartLabs sources like RESTful web apps, ServiceNow, and intra-network servers to create output reports regarding company resource usage (e.g. app efficiency, server assignments) for site maintenance
- Tested and built automated source DataLink connectors using Apptio software to transfer Walmart Big Data onto one accessible data platform for greater, transparent ITFM cost modeling
- Resolved connector issues by tracking DataLink java-based log errors

UCSD Sixth College Academic Advising Center, Front Desk Intern
MAY 2014 – SEP 2015 | La Jolla, CA
- Represented Sixth College by acting as the intermediary between clients and Sixth College Provost, academic advisors, student affairs staff, and university psychologists to resolve client questions
- Processed and handled cash transactions for all Sixth College events
- Supervised office space to prevent any misconducts and to ensure an orderly building atmosphere for visitors and staff

PROJECTS

FlexCam (WIP), Web Developer/Software Engineer | *SDHACKS – 2016*
- Hacking into a digital scale and computer webcam using Raspberry Pi and Arduino hardware to take picture after a set delayed time of when a user steps on a scale to track his or her weight using Python and bash
- Developing a web-app to track and display weight from scale and photo taken for users to seamlessly track their weight loss using Express, Node.js, HTML/CSS, Bootstrap, and EJS

CoupleTones, Project Lead/Software Engineer | *Spring Quarter – 2016*
- Developed and engineered a Java-based Android application using Firebase, Firebase Cloud Messaging, and Google Maps API for linked users to track their partner's daily visited favorite locations
- Lead stand-up meetings to discuss User Stories, schedule plans, and bug/issue resolutions, and to ensure that client needs are met
- Implemented Agile methodology for each iteration of code development using Git, CircleCI, JIRA

MeditateToday, Project Lead | *Spring Quarter – 2015*
- Prototyped a mobile application for the clients to virtually access meditation sessions, alarms, and donation page
- Oversaw each team member's work by leading discussions to ensure goals were met and prototype development was on schedule
- Collaborated with team members to arrange meeting times, resolve any intra-conflicts, and discuss presentation plans