Zijian Guan
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OBJECTIVE

Current graduate student major in Software Engineering looking for internships or part-times.

MAJOR SKILLS

- Programming skills: C/C++, Java, Python, PHP, HMTL, SQL, CSS
- Proficient Applications: Git, WireShark, MySQL, Processing, AWS, SSH, Putty
- Great team worker, planner and communicator with good leadership skills and experience

EDUCATION

San Jose State University   **August 2019—Present**
Software Engineering M.S

San Jose State University   **August 2015—Spring 2019**
Computer Engineering B.S
Related Coursework:
 Information Security, Algorithms and Data Structure Design, Digital Design, Microcontroller design, Advanced Algorithm Design, Database Design, Network

EXPERIENCE

Data Structure Teaching Assistant, SJSU Computer Engineering Department   **August 2019—Present**
- Working on Microcontroller related in big data with Professor Karmian from the CMPE department.
- Guiding course labs using TI board and SJOne board for interrupt, GPIO labs.
- Participating in the research about True Random Number Generator based on the hardware randomness.

Development Team Leader, SJSU Software and Computer Engineering Society   **December 2017—August 2018**

- Leading three project teams as a leader of the dev team.
- Working on the development of door controller using ESP32 and RIFD card reader to replace the Arduino chip.
- Planning the schedules of all project teams such as SCE website team and the storage system team.

PROJECTS

Starbucks Mobile Applicatoin
Java   **October 2019—November 2019**

- Building a console application using Java, simulating Starbucks Mobile Application
- Using different design patterns such as Composite, Decorator and Observer to ensure the industry-level software design and make it simple and maintainable.
- (Simulation)Allowing users to add credit card, pay for coffee, switch screen between different menus within landscape and portrait mode display.

Fancy Markplace Website
HTML/PHP(URL:http://kunsu.us/MarketPlace/)   **October 2019—November 2019**

- Implementing my personal website into Fancy Marketplace website with other three students using CURL and AWS
- Implementing the review and rating section for users to leave comments below the products in Fancy Marketplace website using MySQL and PHP
- Building the display functionality with the support of MySQL which allows to see the most popular rated products among the website.