

SHAOAN WU (Sean Wu)

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WORK EXPERIENCE

Associate Engineer

Sept. 2021 - Present

Automation Team, Verizon (Contract)

- Development automated regression test with python unittest/pytest framework
- Administrate tasks on Atlassian Bamboo CI/CD Automation
- Maintain cronjob with monitoring script for Verizon messaging platform
- Develop and deployment of micro-service for cloud testing on AWS EKS/ECS
- Assist MongoDB administration and setup from DevOps side

Application Engineer(Analyst)

June - July 2021

Consumer Banking Technology, DBS bank, Taipei

- Conduct 5 levels of software testing for mobile and internet based app enhancement
- Solve over 100+ of Fintech production software issue related to consumer banking
- Liaise with multiple departments to resolve system design issue for software production
- Evaluate system design defect reducing company loss by 20% in East Asia region

Software Development Engineer Intern

July - Sept. 2020

1Cademy, University of Michigan

- Implement React Hooks throughout complicated map based web application
- Fix double clicking event would be treated as two single clicking bug with custom asynchronous module
- Increase button functionality safety for 80% of clickables
- Design API structures between application and research journal database

EDUCATION

San Jose State University (SJSU)

May 2021

M.S Software Engineering

Master of Science in Software Engineering

- Specialize in Data Science.
- Software Engineering Capstone Design Project:
 - A. Project Scope: Currently working in a four-member team to develop a geolocation based social application, with ability to connect with friends to chat and play games in real time.
 - B. Tools: React Native, ReactJS, Firebase

Courses Completed:

- Database System Design
- Data Mining
- Large Data Analysis
- Virtualization Technologies
- Software Engineering Process
- Machine Learning

National Taiwan University of Science and Technology (NTUST)

June 2018

B.Sc. Material Science and Engineering

KEY SKILLS

Languages: Python, Java, Javascript

Databases: MySQL, MongoDB, Redis, Firebase

DevOps: AWS, Docker, Kubernetes

Other: Hadoop, PySpark, Kafka

PROJECTS

Ghost Town - Dead Web Link Analysis

Spring 2020

- Apply **Label Propagation Algorithm(LPA)** on WARC from Common Crawl
- Acquire useful insight from web link analysis of web archive
- Perform MapReduce with **Apache Spark** for web site statistics
- Orchestration of several **Hadoop** ecosystem's services

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