YAWEN CHEN

owen.to.public@gmail.com • Irvine, CA • No Future Sponsorship Required

EDUCATION

M.S Information Science - University of Arizona (GPA: 4.0)   Tucson, AZ | Dec. 2020
B.S Computer Science - University of Arizona (GPA: 3.5)   Tucson, AZ | May 2017

Selected Relevant Courses:

Program Design & Development	Database Design	System Programming + Unix
Object-Oriented Programming & Design	Computer Organization	Principles of Operating System
Data Mining	Computer Networking	Algorithms

EXPERIENCE

SOFTWARE DEVELOPMENT ENGINEER   Austin, TX | 01/2021 – Present
General Motors

- Drive improvements in the Continuous Integration Continuous Deployment. Help to design and build automated solutions to improve the process from hours to minutes.
- Develop tools related to HDFS, PostgreSQL and Oracle, etc to improve customer deployment experiences.

SOFTWARE DEVELOPMENT ENGINEER   Seattle, WA | 06/2020 – 09/2020
Amazon Web Service

- Configured Linux environments in both public and private domains, local computer and dev desktop
- Responsible for understanding architecting, designing, implementing and supporting of AppStream 2.0
- Involved in and Designed core Java APIs for Amazon AppStream 2.0 test automation to reduce the testing time from hours to minutes
- Deployed builds to production and work with the teams to identify and troubleshoot any issues, and maintain the improvements and instructions in technical documentation for future employees

CALIBRATION ENGINEER   Tucson, AZ | 03/2019 – 05/2019
TuSimple

- Develop, test, improve and maintain calibration software and processes, reduce the time from 3 hours to 1 hour
- Corporate with coworkers to identify, escalate, and resolve issues with calibration processes and tools
- Ensure all sensors and systems are properly calibrated before release to testing teams
- Create, maintain, and improve documentation for calibration including release notes and technician work instructions

GRADUATE TEACHING ASSISTANT   Tucson, AZ | 08/2018 – 12/2020
Department of Computer Science, University of Arizona

- Prepare and deliver key information to the professor during and after lectures; picking up Unix tools quickly from scratch
- Discussed with the instructors' team, then designed test cases and rubrics based on the staff meeting

ACADEMIC PROJECTS

Database System Implementation:

- Implemented a database buffer manager, a heap file structure, and a B+ tree structure with another teammate, with a personal focus on the buffer manager and B+ tree structure
- Providing performance diagnostic expertise and troubleshooting issues, both at the database and OS levels

University of Arizona CS Tutoring System:

- Learnt the process for the design and normalization analysis of the database from ER-diagram to the client views
- Improved my skills on the combination of HTML, JavaScript, and JSP for web programming, and allow me to be more familiar with the JDBC that connects the views with the Database by JSP and SQL query language in MongoDB

SKILLS

Computer Languages: Java, C, C++, C#, MIPS, JSP, CSS, HTML, PHP, JavaScript, Python, R, Git.
IDE/Technology/Database: Eclipse, IntelliJ, XCode, Unity, AWS, Docker, Kubernetes, QTSpand, SQL (Oracle DB12C)
OS: Linux, Mac OS, Windows