

YAWEN CHEN

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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

EXPERIENCE

SOFTWARE DEVELOPMENT ENGINEER

Austin, TX | 01/2021 – Present

General Motors

- Consistently achieved a 95%+ on-time delivery rate for assigned code jobs, demonstrating strong time management and adherence to deadlines.
- Expanded rules for ESS cleanup and improved code readability by separating the Postgres connection from existing code, creating separate APIs for future enhanced development efficiency.
- Collaborated with team members to enhance the AutoCR system by integrating TFS APIs. Implemented additional error message details, resulting in higher success rates and improved error resolution for developers.
- Successfully completed knowledge transfer sessions and took responsibility for health check support, providing assistance to developers in resolving issues and ensuring smooth operations.
- Achieved efficient SAS migration in just 3 months, transitioning from SAS to PySpark development. Developed templates and functions to convert 70+ SAS files to Python, ensuring swift and successful project completion.
- Played a key role in the customization of Maxis Image, implementing required APIs into the existing Dispatcher, and efficiently converting Tidal jobs from AutoSys, showcasing adaptability and technical expertise.

SOFTWARE DEVELOPMENT ENGINEER

Seattle, WA | 06/2020 – 09/2020

Amazon Web Service (Intern)

- Demonstrated expertise in configuring Linux environments across various domains, encompassing public and private settings, local computers, and development desktops.
- Spearheaded the design and implementation of essential core Java APIs to automate testing processes for Amazon AppStream 2.0, leading to a substantial decrease in testing time.
- Effectively deployed software builds to production environments and collaborated closely with cross-functional teams to promptly identify and resolve any encountered issues.
- Assumed responsibility for maintaining comprehensive technical documentation, capturing improvements made and offering clear instructions to guide future employees effectively.

CALIBRATION ENGINEER

Tucson, AZ | 03/2019 – 05/2019

TuSimple (Intern)

- Developed, tested, enhanced, and maintained calibration software and processes, achieving a time reduction from 3 hours to 1 hour.
- Collaborated with colleagues to identify, escalate, and resolve issues related to calibration processes and tools.
- Ensured the proper calibration of all sensors and systems before their release to testing teams.
- Created, updated, and improved documentation for calibration, including release notes and technician work instructions.

SKILLS

Computer Languages: Python, Java, C, C++, C#, MIPS, JSP, CSS, HTML, PHP, JavaScript, R.

IDE/Technology/Database: Git, Eclipse, IntelliJ, PyCharm, Visual Studio, XCode, Unity, AWS, Docker, Kubernetes, QTSpand, SQL (Oracle DB12C, PostgreSQL), HDFS (Hadoop Distributed File System), GreenPlum (Parallel Database), SAS, PySpark (Python + Apache Spark), Azure.

OS: Linux, Mac OS, Windows

AWARDS

Excellence in Technology Award - General Motors

First Quarter, 2023