Abdullah Almaayoof

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EDUCATION

The George Washington University, *Washington D.C.*   *Graduated May 2023*
Degree: Bachelor of Science in Computer Science
Honors: Cum Laude (GPA: 3.5/4.0); Dean's List: 2020, 2021
Relevant Courses: Operating Systems, Algorithms, Software Engineering, Computer Networks, Database Systems

TECHNICAL SKILLS

Languages: C, C++, C#, Java, Python, SQL, HTML, CSS, Kotlin, R
Software/Other: Android, Django, Flask, AWS, Linux/Unix, Docker, Git, Web Services, Cloud Services

EXPERIENCE

MAGIC LEAP, *Plantation, FL*
Associate Software Engineer   *Sep 2023 – Present*

- Exclusively managed 11 factory test stations crucial to manufacturing operations, focusing on reducing downtime and optimizing performance. Utilized scripting and automation tools to enhance operational reliability and efficiency.
- Achieved significant cost savings of approximately $126K by re-engineering and optimizing the use of existing test stations, avoiding the financial cost for new equipment.
- Engineered and implemented automated testing processes, resulting in $36K annual savings. This initiative not only reduced labor costs but also significantly improved product quality through more consistent and rigorous testing protocols.
- Led the complete redesign and update of software across all controller factory test stations to support a new Proof of Concept (POC) product. Ensured backward compatibility and forward scalability using version control systems and rigorous testing frameworks.
- Implemented enhanced security measures for crucial calibration files, ensuring the safety and integrity of operations.
- Collaborated with cross-functional teams to integrate optimized processes and solutions, ensuring a positive impact on manufacturing operations.

Intern, Factory Test Software Engineer   *Jun 2023 – Sep 2023*

- Implemented parallel computing techniques to accelerate test functions of the controller hardware, reducing test duration and increasing productivity at multiple factory test stations.
- Introduced automation to streamline processes and eliminate unnecessary prompts, improving operational efficiency.

TECHNICAL PROJECT

Wheel Deal – Car Search Chrome Extension   *Sep 2022 – May 2023*

- Designed and developed a Chrome extension to help users find the best deal on a car.
- Developed a RESTful API to enable communication between the Chrome extension and the Python Flask server. Utilized the BeautifulSoup library to scrape major car retailer websites and gather data on available cars.
- Implemented a car ranking system based on Market value, mileage, and year to provide a ranked list of cars that match the user's criteria.
- Integrated React JS for front-end development and MySQL for data storage to ensure a fast and reliable user experience.

PROFESSIONAL CERTIFICATES

AWS Academy - Data Analytics (February 2021) and Cloud Foundations (March 2021)