Keon Dawson

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EDUCATION

Western Governors University   Salt Lake City, UT
Bachelor of Science in Computer Science   *August 2023*

Communtity College of the Air Force   Montgomery, AL
Associate's in Aviation Technology   *June 2020*

PROJECTS

Gitlytics | *Python, Flask, React, PostgreSQL, Docker*   June 2020 – Present
- Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- Implemented GitHub OAuth to get data from user's repositories
- Visualized GitHub data to show collaboration
- Used Celery and Redis for asynchronous tasks

Simple Paintball | *Spigot API, Java, Maven, TravisCI, Git*   May 2018 – May 2020
- Developed a Minecraft server plugin to entertain kids during free time for a previous job
- Published plugin to websites gaining 2K+ downloads and an average 4.5/5-star review
- Implemented continuous delivery using TravisCI to build the plugin upon new a release
- Collaborated with Minecraft server administrators to suggest features and get feedback about the plugin

Algorithm Visualizer | *JavaScript, React, HTML5, CSS3, Git*   May 2018 – May 2020
- Web app to visualize graph/sorting algorithms in real time
- Built visualization for sorting algorithms: Quick, Shell, Bubble, Merge, and insertion sort
- Implemented visualization for graph algorithms: Dijkstra, A*, BPS, DPS, Maze generation

EXPERIENCE

Senior Maintenance Operations Controller   July 2020 – June 2022
United States Air Force   *Osan AB, Korea*
- Briefs maintenance management on aircraft systems and provides corrective action plans
- Analyzed, planned, and implemented process improvements for increased efficiency

F-16 Aircraft Mechanic   August 2016 – July 2021
Southwestern University   *Georgetown, TX*
- Used Technical data to diagnose and solve maintenance problems on aircraft systems
- Troubleshot and maintained aircraft structures, systems, components, and related equipment

TECHNICAL SKILLS

Languages: Python, SQL (Postgres), JavaScript, HTML/CSS
Frameworks: React, Node.js, Flask, JUnit, FastAPI, Express
Developer Tools: Git, Docker, TravisCI, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: NumPy, Matplotlib