


Derek Gauger

Software Engineer

gaugerderek@gmail.com 

(262) 581-7793 

github.com/derekgauger 

linkedin.com/in/derekgauger/ 

derekgauger.dev 

Education

2019 - 2023

Milwaukee School of Engineering

Software Engineering

GPA: 3.40

Skills

- Java, Python, C, C++, JavaScript
- HTML, CSS, React JS, Node JS
- SQL, NoSQL, DynamoDB, MongoDB
- Git, SVN, Azure DevOps
- Linux, Docker, AWS
- UDP/TCP Networking
- Time Management
- Team Leading

Interests

- Disc Golf
- Personal Software Projects
- Cooking
- Personal Finance
- Networking

Objective

Looking for full-time employment after I graduate in May 2023.

Work Experience

Software Engineering Intern

Astronautics (November 2021 - Present)

Worked on the display applications verification team for the new Flight Data Management Unit. Focused on testing the Aircraft Data Collection system and creating continuous integration pipelines.

- Wrote a Python script to verify the Aircraft Data Collection is transmitting, receiving, and processing UDP packets accurately.
- Created a continuous integration pipeline to verify hardware testing stations are sending/receiving data on the proper wired channels.
- Modified the verification API infrastructure to work for live and massive data broadcasting.
- Authored, developed, and ran Aircraft Data Collection buffering and sampling mode test cases and procedures.
- Developed a method of monitoring hardware testing station usage.
- Verified and reviewed functionality for a custom C unit testing framework to give developers another code verification method.

Projects

- Designed a Python3 utility library containing data structures and sorting algorithms for use in other projects.
- Made a Minecraft Java Plugin for adding an economy, useful tools, and fun features to the basic game.
- Wrote a Discord bot using JavaScript for displaying fun national days to the Discord server every day.
- Developed a website using React JS to display my personal projects, contact information, and profile.