

Thomas G Fan

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EDUCATION

Missouri University of Science and Technology (Missouri S&T) — **GPA: 3.924/ 4.0**

Rolla, MO

B.S. Computer Science

May 2023

- Relevant Courses: Algorithms, Data Structures, Operating Systems, Databases, Networks, AI

CLUBS & EXPERIENCE

Gap Tech Internship

San Francisco, CA

Software Engineer Intern

Summer 2022

- Backend development on price planning and execution for the price item planning team using Java and the Spring Boot framework while learning and implementing Scrum methodologies.
- Developed and moved code through production that updated deprecated metrics used in service and API calls.
- Monitored code affecting controllers and end points through database queries and unit testing.

Wells Fargo Internship

St.Louis, MO

Software Engineer Tech Intern

Summer 2021

- Influenced billing fee calculations that resulted in diagnostics for over 100,000 service calls.
- Served 23 Crown Jewel web applications and refined queries, alerts, and transaction snapshots in the wholesale of wealth and investment software.
- Consulted application performance monitoring (APM) tools to oversee database issues and server health, arranging weekly meetings to present report findings.

Multirotor Robot Software Design Team

Rolla, MO

Computer Vision Developer

8/13/19 - Present

- Teamed with 30+ software developers in designing and unit testing code for flying autonomous drones in competition with numpy and machine learning in python.
- Developed drone software able to detect objects from the surrounding background at 70 mph. Blobs and objects were counted by software through color contrast analysis. Assigned with drone blob detection in a subgroup for the Multirotor Robot Design Team drone project.

Missouri S&T — ACM

Rolla, MO

ACM Competition & ACM Web Design Member

8/13/19 - Present

- Frontend and backend design on website structure ensuring that the ACM web website is able to function properly. Worked with website formatting, and functionality of payment fees.
- Utilized ReactJS in web development to improve promotions and advertisements with 14 other engineers.
- Contributed to programming puzzles of various difficulty and participated in coding competitions at ICPC.

Asian American Association

Rolla, MO

Chief Officer of Advertisement

8/13/21 - Present

- Developed promotional campaigns and improved advertising strategies to promote activities attracting 70+ Asian American members.

SKILLS

Languages: C++ (proficient) / Python (proficient) / Java (prior experience) / SQL (proficient)

Tools: Git / SQL / HTML / CSS / Visual Studio / Postman / Splunk

PROJECTS

All projects listed below (and many more) on my GitHub

Static Site Generator

5/16/21

- Formulated a command line project using python as an individual that allows for the parsing of markdown, restructured text, and resource files.

Personal Website Portfolio — <https://thomasfan.netlify.app/>

7/22/21

- Designed an interactive website using Ruby packages to deploy a responsive and resizable interface.