Thomas G Fan

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EDUCATION

Missouri University of Science and Technology (Missouri S&T) — **GPA: *3.938/ 4.0*** Rolla, MO
B.S. Computer Science May 2023
- Relevant Courses: Algorithms, Data Structures, Operating Systems, Databases

SLMCS (St.Louis Modern Chinese School) — **Graduation: July 2016** St.Louis, MO
- Four year diploma with Chinese Fluency Certification

CLUBS & EXPERIENCE

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.

ACM Competition Rolla,MO
Competition Team Member 8/13/19 - Present
- Weekly meetings and occasional out-of-campus/on-campus coding competitions.

ACM Web Design — https://mstacm.org/ Rolla,MO
Website Development Team Member 8/13/19 - 1/1/2020
- 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 full web development to improve recruitment advertising with 14 engineers.

Multirotor Robot Software Design Team Rolla, MO
Computer Vision Developer 8/13/19 - 1/1/2021
- 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.

SKILLS
Listed in descending order of familiarity

Languages:	C++	Python	Java	Javascript	SQL	Golang	C	C#
Tools:	Github	Git	Splunk	AppDynamics	HTML	CSS	Visual Studio	

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.

PennApps XXII — **Get-Me-Going** 9/12/21
- Wrote a productivity and motivation driven web application in the Flask framework.