Tristan-Lee Aujong

682-386-0055 | tristanaujong@tamu.edu | linkedin.com/in/tristan-lee-aujong/ | github.com/tristanaujong

CAREER OBJECTIVE

Computer Science student actively seeking engaging experiences in software technology, team collaboration, and product development. Eager to contribute to impactful projects while expanding technical and leadership skills.

EDUCATION

Texas A&M University — College Station, TX
Bachelor of Science in Computer Science - Engineering Honors - GPA: 3.95/4.0 — *Expected Graduation: May 2027*

EXPERIENCE

Lockheed Martin Missiles & Fire Control — May 2025 – August 2025
Software Engineer Intern — *Grand Prairie, TX*
- Developed and integrated a multi-stage **CI/CD** pipeline using **GitLab** to automate the build process and perform static analysis, increasing development efficiency and reducing manual build time by **30%**
- Optimized reliability of missile communication tests by rewriting verification scripts using **Python** and **MATLAB** to accurately process simulation data
- Improved missile test accuracy by developing **Python** scripts to debug and verify communication values, increasing pass rate by **5%**

Texas A&M FSAE Electric — July 2025 – Present
Software Developer — *College Station, TX*
- Co-developed a **Distributed Battery Management System (DBMS)** for AME26 Formula Electric race car as part of a 5-member team, using **C** on **STM32** microcontrollers
- Designed and implemented discharge state flow logic, allowing for **real-time** monitoring and control of battery discharge states
- Integrated **CAN-Bus** communication to transmit diagnostic messages and perform state-of-charge calculations

Engineering Teachers Assistant Organization — March 2024 – Present
Vice President, Software Development Intern — *College Station, TX*
- Developed a website for **5,000+** A&M engineering students using **React** and **TypeScript** to access resources for introductory engineering courses
- Designed and built a custom **Tailwind CSS** menu page using **Figma** and **ShadCN** components to streamline access to **2 years** of review materials, improving content discoverability and conciseness
- Incorporated code reviews using **Git** and collaborated with **9** team members, facilitating agile development and reducing code conflicts

iCode — May 2024 – August 2024
Computer Science STEAM Technical Lead Intern — *Southlake, TX*
- Coordinated various coding camps and exposed **30+** students to numerous applications of programming, resulting in increased student engagement and foundational coding skills
- Managed the creation of **5** student websites by utilizing **HTML**, **CSS**, and **bootstrap** technology to teach front-end web development
- Facilitated data analysis and **Python** skills for drone programming challenges, enabling students to solve real-world navigation and control problems

PROJECTS

FindAYota | *Python, Flask, Tailwind, HTML* — January 2025
- Developed a streamlined product matching application for Toyota using **Flask**, **Tailwind CSS**, and **HTML**, allowing customers to find compatible vehicles based on preferences
- Designed an intuitive quiz-based interface and APR calculator, improving search efficiency by **90%**
- Achieved a **95%** successful match rate through a custom **Python** matching algorithm

TECHNICAL SKILLS

Languages: Python, C, C++, Java, HTML, JavaScript, TypeScript
Frameworks: Flask, Next.JS, Tailwind CSS, React
Developer Tools: Git, GitLab, GitHub, CI/CD, Docker, YML, Makefile, VS Code, Matlab, Linux, Ubuntu, Excel