

Mai Vo

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EDUCATION

Georgia Institute of Technology, Atlanta, GA

August 2018 – May 2022

- B.S. in Computer Science
- Threads: Devices and Systems Architecture
- Honors Program

LEADERSHIP & PROJECTS

Space Systems Design Lab – Glenn Lightsey Research Group

Spring 2019 - Present

Undergraduate Researcher – Altitude Determination and Controls Team

- Using Python to develop control software for Sensor Testing Rig And Operation Systems (STRATOS), a high-altitude balloon project.
- Assisting with the testing of a magnetometer using C++.
- Working with electronics such as the GPS to find flight position.

Yellow Jacket Space Program

Spring 2019 - Present

Systems Team

- Developing YJSP engineering specifications; integrating and testing different projects by each team using models and simulations; returning necessary feedback.

Avionics Team - Spaceport America Cup Team at GT

Fall 2018 - Present

- Developing the electronics system for a two-stage rocket to reach 30,000 feet.
- Using C++ to write the program to ensure that the rocket stages properly.

Students for the Exploration and Development of Space at GT

Fall 2018 - Present

- Built SEDS@GT's website using Wix.
- Incorporated HTML and Javascript code into specific frontend and backend aspects of the website for optimization and design.

Captain, Lead Programmer, 4210 FTC SuperNova Robotics Team

Fall 2015 – Spring 2018

- Ensured that team members worked together accordingly.
- Used self-taught programming concepts in driver and autonomous modes.
- Taught members the principles of programming using Android Studio.

SKILLS

Programming: Java, Python, C++, HTML, CSS, Javascript, Linux

Concepts: Object-oriented programming, linear algebra

Clubs: Ramblin' Rocket Club: Spaceport America Cup Team, Students for the Exploration and Development of Space at GT, Ballroom Dancing, Journey Church of Atlanta, Yellow Jacket Space Program

WORK/VOLUNTEER EXPERIENCE

Georgia Tech College of Computing's Office of Outreach, Enrollment, and Community

Spring 2019 - Present

Student Assistant

- Manages office duties and assists with CoC career services.

Kumon Math and Reading Center, Greensboro, NC

Spring 2017 – Summer 2018

Academic Tutor

- Taught children from the ages of 3-15 mental mathematics and reading comprehension.
- Developed lesson plans for the students each week.

STEM Learning Factory at UNCG, Greensboro, NC

Summer 2016

Maker Mentor

- Collaborated with the teaching faculty to develop lesson plans for robotics and coding classes.
- Guided young children how to create games using the web application, Scratch, by teaching them how to think logically.

Symposium on Space Innovations, Atlanta, GA

Fall 2018

- Assisted with logistical preparations for the Symposium on Space Innovations at Georgia Tech.
- Ensured that registration and transitions during the event occurred smoothly.

North Carolina Drone Summit and Flight Expo, Greensboro, NC

Summer 2018

- Directed patrons toward event locations in a professional manner.
- Ensured that attendees were provided with ample information of flight demonstrations.