

TUANH TRAN CAO

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Education

Georgia Institute of Technology

B.S. in Computer Science

Concentrations: Artificial Intelligence, Media

Programming Languages: Java, MATLAB, Swift, Python, HTML, JavaScript, CSS

Relevant Coursework: Object-Oriented Programming, Data Structures and Algorithms

Atlanta, GA

Expected December 2023

Experience

Georgia Institute of Technology College of Computing

Atlanta, GA

- Teaching Assistant for CS 1371 – Computing for Engineers *January 2021-January 2022*
 - Led weekly recitations to teach course material for approx. 50 students to better understand programming language MATLAB
 - Held weekly office hours to guide students on debugging their homework
 - Developed homework problems and test questions to evaluate student's understanding and skill coding in MATLAB
 - Worked with team of over 30 TAs to set students up for success in the course by solving students' inquiries, updating class resources, and grading exams
- Software Development Team Engineer *August 2021-January 2022*
 - Analyzed code and documented functionality of course homework auto-grader
 - Reconstructed auto-grader software from Google-based authorization to Microsoft-based authorization to accommodate towards university's privacy agreement

University of South Alabama's Lab of Infectious Diseases

Mobile, AL

- Lab Assistant *May 2019 -July 2019*
 - Performed DNA extraction, PCR, and analysis of agarose gel for research towards understanding the packaging and transmission mechanism of the influenza virus
 - Co-authored manuscript with the Principal Investigator and Lab Technician

Projects

Snake IO Game

August 2021

- Programmed a Snake IO game to explore game development, user interface, and the numerous functionalities of a GUI
- Utilized JavaFX to design the scene, maximize aesthetics, and ensure smooth game performance

Data Visualization

April 2021

- Collaborated with 15 other Teaching Assistants to filter data of crime in Atlanta from 2017, implement a GUI of the statistics, and plot the locations of each crime on a map
- Designed project guidelines for over 800 students to challenge their programming skills

Leadership

Vietnamese Student Association

August 2020-present

- Freshman Representative (*August 2020-May 2021*)
 - Volunteered at major events and fundraisers to promote high participation and diversity
 - Worked with 8 other executive board members to efficiently prepare and execute events
- Treasurer (*May 2021-December 2021*)
 - Planned and executed all fundraisers to expand funds for future events
 - Managed finances of all events to accommodate for budget and satisfaction of over 100 members from general student body

Skills

Languages: English – *fluent*, Vietnamese – *fluent*, Spanish – *conversational*, Korean – *elementary*
Extracurriculars: Piano, Guitar, Dance