

TYLER SMITH

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OBJECTIVE

To obtain a full-time position in the field of software engineering and/or computer science starting summer 2022.

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA

August 2017-May 2022

- Candidate for Master of Science in Machine Learning (BS/MS program; graduation May 2022)
- Bachelor of Science in Computer Science, minoring in Economics August 2017-May 2021
- GPA: 3.91
 - Faculty Honors: Fall 2017, Fall 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2020, Spring 2021; Deans List: Spring 2018, Summer 2018
 - Relevant Classes: Machine Learning, Computer Vision, Robot Intelligence Planning, Artificial Intelligence, Intro-Algorithms, Information Visualization, Automata & Complexity

SKILLS

Software: VS Code, Git, MySQL, IntelliJ-IDEA/Android Studio/PyCharm

Programming: Python, JavaScript, SQL, MongoDB, Java, HTML, MATLAB, C

Communication: Experience in giving small and large-scale presentations

EXPERIENCE

ITENTIAL, LLC., Atlanta, GA

August 2019-present

Co-Op, Delivery Support

August-December 2019

- Worked with MongoDB and JavaScript to integrate metric calculations into existing frameworks, creating online & offline versions of the system with unit testing.
- Created an update feature for their adapter product, designed to create a link between their main product and an outside API.

Co-Op, Labs/R & D

May-August 2020

- Worked with MongoDB and JavaScript to create a customizable load testing tool for the company's main product.
- Conducted & analyzed stress tests on the product in a variety of configurations via Kubernetes cloud hosting.

GEORGIA TECH RESEARCH INSTITUTE, Atlanta, GA

May-July 2019

Intern, Electronic Systems Laboratory (ELSYS)

- Developed an algorithm(s) to accurately and efficiently detect objects in a video using computer vision and machine learning techniques.

JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LAB, Columbia, MD

September 2016-May 2017

Intern, Air and Missile Defense Sector

- Collaborated with a team of interns to create a "hydrocommunications" device to transmit information via water waves. Used MATLAB primarily for image, and subsequently data, analysis.

PROJECTS

<https://tylersmith-1234.github.io>

COMPUTER SCIENCE 4400: INTRODUCTION TO DATABASES

May-July 2018

Barcelona Museum Ticketing & Review System

- Created a Java Swing-based GUI backed by SQL queries that support visitors, admins, and museums and their various qualities.

HACKGT 2018

October 2018

Face the Music

- Created a proof-of-concept Python-based interface integrated with Google Vision and Spotify to create playlists based on user's mood.

VERTICALLY INTEGRATED PROJECT: ESTADIUM

January 2019-May 2020

- Helped design an app for use during GT football gamedays to increase fan interaction in the stadium as well as gather various metrics about the environment.

ACTIVITIES AND AWARDS or LEADERSHIP

College of Computing, Teaching Assistant

August 2018-Present

- Helped create assignments and aid students in CS 4400: Intro to Databases.

Eta Kappa Nu, Member

February 2019-Present

- IEEE honor society recognizes top students in EE and CS-related majors.