TYLER SMITH

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OBJECTIVE

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

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA

- Candidate for Master of Science in Computer Science (BS/MS program) *August 2021-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, Information Visualization, Automata & Complexity, Intro-Databases

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, team-based collaboration

EXPERIENCE

ITENTIAL, LLC., Atlanta, GA

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.

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.

Co-Op, Product *May-August 2021*

- Worked with Node.js (JavaScript) to create and fix features for the company's JST Designer product, a tool designed to aid in converting JSON Schemas to different forms.

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

PERSONAL PROJECT *2020-21*

Spotify Public Queue

- Created an Express-backed web application to allow Spotify users to request and approve songs to be added to a playlist, using Spotify's API, MongoDB and Node.js.

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-May 2021*

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