

TYLER SMITH

827 Buckingham Drive, Severna Park, MD • Mailing: 699 Spring St. NW Apt 308, Atlanta, GA 30308
(443)-306-2345 • tsmith394@gatech.edu • <https://www.linkedin.com/in/time-to-work/>

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*
 - Relevant Classes: Graduate Algorithms, Big Data Analytics, Data & Visual Analytics
- Bachelor of Science in Computer Science, minoring in Economics *August 2017-May 2021*
 - GPA: 3.91
 - 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: *Proficient:* Python, JavaScript, SQL, MongoDB, Java, HTML
Exposure: MATLAB, C, Hadoop

Communication: Experience in giving small and large-scale presentations; team-based collaboration

EXPERIENCE

ITENTIAL, LLC., Atlanta, GA

Co-Op, Product

May-August 2021

- Created and fixed features in Node.js for the company's JST Designer product, a tool designed to aid in converting JSON Schemas to different forms.

Co-Op, Labs/R & D

May-August 2020

- Created a customizable load testing tool for the company's main product using MongoDB and JavaScript to read, write and store data in and out of the product.

Co-Op, Delivery Support

August-December 2019

- Designed and integrated metric calculations into existing frameworks based on MongoDB & JavaScript, creating online & offline versions of the system with unit testing.

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. <https://spotify-request-queue.herokuapp.com/>

VERTICALLY INTEGRATED PROJECT: ESTADIUM

January 2019-May 2020

- Designed an app with a diverse team for use during GT football gamedays to increase fan interaction in the stadium as well as gather various metrics about the environment.

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.

ACTIVITIES AND AWARDS or LEADERSHIP

College of Computing, Teaching Assistant

August 2018-Present

- Created assignments and aided 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.