# 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*
  + 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**](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.