# 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**](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.