

# Ethan Bolton

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**OBJECTIVE:** Looking for a Summer 2021 internship in computer science / data science

## EDUCATION

**Georgia Institute of Technology**, Atlanta, GA

June 2019 - May 2023

- Candidate for Bachelor of Science in Computer Science
- Threads: Intelligence & Media
- Relevant Courses: Object Oriented Programming, Data Structures & Algorithms, Computer Organization and Programming

**Northview High School**, Dothan, AL

August 2015 - May 2019

- High School Diploma
- GPA: 4.44 (weighted)
- Top 2% of graduating class

## SKILLS

**Programming:** Python, C++, Java, UNIX Shell

**Operating Systems:** MacOS, Linux, Windows

**Communication:** Interpersonal skills, especially explaining tech ideas to a non-technical audience

## RELEVANT COURSEWORK

Intro to A.I. (CS3600)

Linear Algebra (MATH1554)

Comp. Organization & Programming (CS2110)

Multivar. Calc. (MATH2550)

Data Structures & Algos. (CS1332)

Discrete Math (CS2050)

Objects & Design (CS2340)

## EXPERIENCE

**Georgia Tech Physics Research Department I.T.**, Atlanta, GA

2019 - Present

Currently working in School of Physics I.T. department

- Update computer hardware for research labs
- Install and troubleshoot software required for lab devices

**Ethan's Residential Tech Services**, Dothan, AL

2016 – Present

Started my own small tech support business in high school.

- Developed a sizable network of clients, including several local small businesses
- Created custom software solutions for some clients
- Acquired interpersonal business skills
- Gained technical communication skills (especially with a non-technical audience)

## PROJECTS

**Car Trip Machine Learning**

Spring 2019

- Used Python and sklearn/TensorFlow to predict day of the week based on my car's driving data
- Designed several data features for more thorough data input into classification model
- 55-70% accurate

**Video Text Filter**

Summer 2019

- Utilized Python to recreate a live video feed using text characters in a terminal window
- Used OpenCV library to get camera input, reduce resolution, and convert to grayscale
- Mapped grayscale values to characters based on character size

## ACTIVITIES

**Leadership:** High School Track & Cross Country Captain (2016 - 2019)

**Music:** Piano & mallet percussion (13 years)

**Athletics:** Track & Cross Country (2015 - 2019)