

Ethan Bolton

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<https://github.com/eebmagic/>

OBJECTIVE: Looking for a Summer 2020 Internship to exercise and expand upon current skills

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 class

SKILLS

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

Operating Systems: MacOS, Debian, and Arch

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

ACTIVITIES

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

Music: Piano & mallet percussion (13 years)

Athletics: Track & Cross Country (2015 - 2019)

PROJECTS

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

Square Trimmer

Spring 2019

- Created a program in Python to crop an image and center the main subject
- Developed an algorithm to separate the foreground and background based on common colors

Car Trip Machine Learning

Spring 2019

- Utilized Python and machine learning to predict day of the week based on my car's driving data
- Designed several data features for more thorough data input into machine learning model
- 55-70% accurate

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)