

Ethan Bolton

118 Bobby Dodd Way NW, Atlanta, GA

ebolton8@gatech.edu

334-796-2525

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

OBJECTIVE: Looking for a Spring or Summer 2021 internship / co-op 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

SKILLS

Programming: Python, C/C++, Java, assembly, Bash

Technologies: git, GitHub, numpy, scipy, sklearn, pytorch, tensorflow, neural networks, docker, IntelliJ, vim, opencv, matplotlib, flask

Operating Systems: MacOS, Linux, Windows

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

RELEVANT COURSEWORK

Intro to A.I. (CS3600)

Comp. Organization & Programming (CS2110)

Data Structures & Algos. (CS1332)

Objects & Design (CS2340)

Computer Audio (CS4590)

Linear Algebra (MATH1554)

Multivar. Calc. (MATH2550)

Discrete Math (CS2050)

Design & Analysis of Algorithms (CS3510)

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
- ~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)