

EDUCATION

~~PRESENT~~

Massachusetts Institute of Technology

~~September 2019~~ — Expected Graduation Date of May 2023

~~Currently a Junior majoring in~~ Electrical Engineering and Computer Science (~~6-2~~).

EXPERIENCE

FALL 2019

Undergraduate Research

Processed and labeled motion capture data gathered during mock kidney stone surgeries.

FALL 2020

Remote Internship

~~Worked with Novo Space to~~ develop a telemetry visualization/storage system ready to be deployed on embedded systems.

FALL 2021

Lab Assistant for Introduction to Machine Learning

Helped students learn the fundamentals of machine learning through weekly labs and office hours.

RELEVANT COURSEWORK

SPRING 2020

Introduction to Computer Science and Programming in Python

6.009

Learned the fundamentals of Python through a variety of weekly projects such as image processing, our own auto-correct, and a LISP interpreter.

FALL 2020

Computation Structures

6.004

Used RISC-V and Minispec to learn the fundamentals of digital systems design as well as computer architecture.

SPRING 2021

Introduction to Machine Learning

6.036

Explored the principles, algorithms, and applications of machine learning. Covered topics such as perceptrons, neural nets, classification problems as well as hidden Markov models.

SKILLS

- Experience programming in C++, Python, as well as HTML, CSS and JavaScript.
- Designed hardware using HDLs such as Minispec and then programmed said hardware using RISC-V.
- Worked with several different WiFi-enabled microcontrollers such as ESP32 and ESP8266.
- Used Python for image processing as well as working with large datasets.
- Created machine learning models using libraries such as NumPy as well as PyTorch.

EXTRACURRICULAR ACTIVITIES

PRESENT

MIT Varsity Football

~~Currently in my second season with the team.~~

PRESENT

Delta Kappa Epsilon

President of the Sigma Tau chapter of Delta Kappa Epsilon.