

Matthew Todd

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Education

Class of 2021

Northeastern University | Honors Program | Boston, MA

GPA: 3.58/4.0

BS in Computer Science and Physics **Minors** in Film Production and Math

Skills

Programming: Python, Dart, JavaScript, Swift, HTML, Java, CSS, SQL, Bash

Technologies: Linux, Git, Flutter, Flask, JQuery, AJAX, Premier, After Effects, Photoshop

Concepts: Web Development, Machine Learning, iOS Development

Work Experience

iOS Developer Coop

January 2021 – June 2021

Ginger Labs

San Francisco, CA

- Maintained and contributed to the Notability iOS and Mac app which supports millions of diligent note takers.
- Collaborated with the team of designers and engineers to evaluate and implement user requested features such as an additional organizational view and regression fixes.

Software Developer Coop

January 2020 – August 2020

MORSE Corp

Cambridge, MA

- Developed metrics package for evaluating performance of computer vision algorithms.
- Designed performant pipelines that produce metrics on petabytes of inference data.
- Collaborated with companies and university labs to design and implement metrics that accurately portray model performance in detection, tracking, and classification.

Full-Stack Web Developer Coop

January 2019 - December 2019

Cantella & Co., Inc.

Malden, MA

- Developed a diverse, full-stack web application on a 2-person team for document signing, distribution, and file sharing.
- Pushed multi year project into live beta and iterated with users to improve application.
- Led design initiatives across multiple company-wide applications.

Center for Nano-Wear Research Intern

June 2018 - August 2018

Yonsei University

Seoul, South Korea

- Modelled and printed parts for testing equipment at the largest tribology lab in Korea.
 - Presented underlying physics concepts to the lab during weekly meetings.
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Achievements & Projects

Counter Point

September 2019

HackMIT 2019 Best use of Google Cloud API

Cambridge, MA

github.com/arytonhoi/hackmit2019

- Tackled the problem of media bias using Google Cloud NLP to take an article's url and return the user a spectrum of articles on the same topic varying in sentiment analysis.
- Utilized Beautiful Soup web scraping and Google Search API to find related articles.

Kpop Machine Learning

March 2018

NUWireless Hackathon - Coolest Algorithm

Boston, MA

github.com/matttodd/Kpop-Hackathon

- Built a model with TensorFlow to return the artist who wrote a Korean song given the lyrics. On a small training set of < 100 songs, the program yielded > 70% accuracy.
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Interests

Obstacle Course Racing, Boulderling, Esports, Storytelling, Robotics, Competitive Programming