Matthew Todd

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Education

Class of 2021 **Northeastern University** | Boston, MA GPA: 3.52/4.0
BS in Computer Science and Physics **Minors** in Film Production and Math
Coursework Software Development, Object Oriented Design, Algorithms, Electronics, Differential Equations and Linear Algebra, Screenwriting
Involvement Elite Heat Vice President, Dean's List

Skills

Programming: Python, JavaScript, Java, HTML, CSS, SQL, PHP, Bash
Technologies: Linux, Git, JQuery, AJAX, Flask, Raspberry Pi, Premier, After Effects, Photoshop
Concepts: Web Development, Machine Learning

Work Experience

Software Developer Co op January 2019 - December 2019
Cantella & Co., Inc. Malden, MA

- Developed a diverse, full-stack web application on a 2-person team for document signing and distribution as well as file sharing.
  - Utilized Flask Python framework, Ajax and JQuery in Javascript, Docusign API, SQL, HTML, and CSS
- Maintained company website (PHP) and SQL databases.
- Led design initiatives across multiple company-wide applications.

Center for Nano-Wear Research Intern June 2018 - August 2018
Yonsei University Seoul, South Korea

- Worked with a small team of interns on two main projects at the largest tribology lab in Korea.
- Presented underlying physics concepts to the entire lab during weekly meetings.

Informational Technology Intern June 2017 – September 2017
Three Village Central School District Stony Brook, NY

- Resolved network issues throughout a 9 building school district.
- Maintained and updated network infrastructure alongside full-time IT technicians.

Achievements & Projects

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.

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.

Interests

Obstacle Course Racing, Storytelling, Esports, Bouldering, Interactive Media, Robotics