Matthew Todd

Availability: June 2019 - August 2019

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Education

Class of 2022 — **Northeastern University** | Boston, MA — GPA: 3.52/4.0
BS in Computer Science and Physics
Minors in Film Production and Math
Coursework: Object Oriented Design, Algorithms, Logic and Computation, Modern Physics, Differential Equations and Linear Algebra
Involvement: NUHacks, Elite Heat (Secretary), RIVeR Lab

Skills

Programming: Java, Python, HTML, CSS, Racket, JavaScript, Bash, PHP
Technologies: Git, Adobe Photoshop, Adobe Premiere, Microsoft Office, JQuery, AJAX, Jinja
Concepts: CISCO Networking, Machine Learning (TensorFlow), Robot Operating System

Experience

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

- Developed a diverse, full-stack web application on a 2-person team for document signing and distribution.
- Maintained company website remotely using SSH.
- Led design initiatives for legacy applications.

World Robot Summit and RoboCup Researcher — September 2018 - November 2018
Robotics and Intelligent Vehicles Research Laboratory — Boston, MA

- Enabled Deep Learning and Natural Language Processing.
- Overhauled hotword detection utilizing a ROS environment in Ubuntu.
- Streamlined speech processing using GSpeech within python scripts.

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

- Collaborated with a team of two other interns to CAD (SolidWorks) and assemble parts to augment tribotesters to perform two new methods of testing wear.
- Spearheaded through pretesting a micro triboelectric generator project.

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

March 2018 — **Northeastern University** — Boston, MA
NUWireless Hackathon - Coolest Algorithm
github.com/matttodd/Kpop-Hackathon

- Project titled “Kpop Machine Learning” would take in lyrics to a Korean song and return the artist who wrote the song. On a small training set of < 100 songs, the program yielded > 70% accuracy.

Interests

Robotics, Machine Learning, Virtual Reality, Obstacle Course Racing, Filmmaking, Storytelling, Esports