

Matthew Todd

Availability: June 2019 - August 2019

22 Dogwood Road, Stony Brook, NY 11790 | Phone 631-339-3104 | Email: todd.m@husky.neu.edu
github.com/matttodd | matttodd.tk | linkedin.com/in/matttodd6

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.
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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.
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Interests

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