Matthew Todd

Availability: January 2019 - August 2019

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github.com/matttodd | matttodd.tk | linkedin.com/in/matttodd6

Education

Class of 2022 — **Northeastern University** | Boston, MA — GPA: 3.65/4.0
BS IN COMPUTER SCIENCE AND PHYSICS
FILM PRODUCTION AND MATH MINORS
Coursework: Object Oriented Design, Algorithms, Logic and Computation, Modern Physics, Differential Equations and Linear Algebra
Involvement: NUHacks, Elite Heat (Secretary), RIVeR Lab

Class of 2017 — **Ward Melville High School** | East Setauket, NY

Skills

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

Experience

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

- Experience with Robot Operating System environment in Ubuntu, working on speech processing via Python scripting.
- Moving towards Deep Learning and Natural Language Processing in the future.

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

- Learned to use tribotesters, SEM, and analyze material wear.
- Worked with a team of two other interns to CAD parts (SolidWorks) to augment tribotesters to perform two new methods of testing wear.
- Proposed and pretested a micro triboelectric generator project.

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

- Assisted current IT technicians in troubleshooting and responding to networking issues throughout the school district.

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