

TORIN KOVACH

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SUMMARY

Background includes both academic and industrial experience focused on the real-world application of computer science. Highly organized worker bringing articulate communication skills, relentless work ethic, and eagerness for growth.

EXPERIENCE

Machine Learning Intern

Cognitive Neuroscience Lab at Northwestern University

May 2020 – August 2020

Evanston, IL

- Designed and trained machine learning models to predict stages of sleep given live data from a wearable Fitbit device.
- Built Fitbit and Android applications as a part of a system to allow 200 patients to use these ML models at home.
- Worked with **JMP** statistical software, **Android Studio** (Java), **Node.js**, **Python**, and the **Fitbit SDK**.

Python Development Intern

Slutzky Neuroprosthetics Lab at Northwestern University

August 2018 – August 2020

Chicago, IL

- Developed software to stream live sensor data and return biofeedback in the form of a three-dimensional digital game to help approx. 125 seizure victims train to regain motor function.
- Worked with **Python**, **Blender**, **Pygame**, and **Bash** to develop intelligent biofeedback systems.

Web Application Developer

Midwest Cardiovascular Research Foundation

April 2019 – September 2019

Davenport, IA

- Built and tested web application to work in conjunction with a clinical study by allowing easy use of predictive medical algorithms on mobile devices.
- Published paper in Journal of Invasive Cardiology, published app in Google Play Store.
- Worked with **Apache Cordova** and **HTML**, **CSS**, **JS**.

EDUCATION

B.S. in Computer Science

Carnegie Mellon University

2020 – 2024

GPA: 4.0

High School Diploma

Illinois Math and Science Academy

2017 – 2020

GPA: 4.0

SKILLS

Proficient:

Python Java C / C++ Git
Android Studio Node.js HTML
CSS Java Script Linux

Familiar:

C# R MATLAB Apache Cordova
WordPress Blender Fitbit SDK

PROJECTS

Click on any project description to be directed to the corresponding site.

- Android app to work with sleep study at Northwestern University using Android Studio (Java)
- Python and BSD Socket API app to play a game of "Mafia" with friends between computers over a LAN
- Quick Python scripts to automate parts of LaTeX document typesetting
- Interactive digital story that runs in web browser using HTML, CSS, JS