

# Dan Peluso

Machine Learning, Android Development, Software Engineering

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Full time July to Dec 2020

## EXPERIENCE

### **Pison, Boston, MA — Software Engineering and Machine Learning Coop, Junior Android Developer**

AUG 2019 - PRESENT

- Write consumer grade Android applications for investors and developers, interfacing electrode signal processing with data visualization and cloud pipelining
- Research signal classification models (CNN, RNN, LDA) using Jupyter notebooks and Kubernetes services based on recent ML research papers
- Attend multiple technical conferences to demo applications, research signal classification methods, and build REST APIs for Azure

### **SMILE Lab, Boston, MA — Undergraduate Researcher**

SEP 2017 - OCT 2018

- Helped gather labeled multi-modal human action dataset for image classification and ran benchmark models on dataset for paper submission

## EDUCATION

### **Northeastern University — Computer Engineering and Computer Science (3.6 GPA, Dean's List)**

SEP 2017 - MAY 2021

**Courses:** GPU Programming, Database Design, Object Oriented Design, Networks, Algorithms & Data, Digital Logic Design, Machine Learning, Computer Systems, Linear Systems, Circuits and Signals, Capstone 1  
**Activities:** Beta Gamma Epsilon Vice President, IEEE Officer

## PROJECTS

### **Magic Mirror — Fall 2019**

Created a mirror with display of calendar and transit APIs using a Raspberry Pi and facial-recognition backend for module switching

### **Glasses for Everyone, Inc. — 2016 - 2019**

Ran a 501(c)(3) to give prescription glasses to impoverished citizens

## PROGRAMMING

### **Android (Kotlin)**

Reactive Programming (RxJava), Custom UI, File IO Networking, Services, BLE

### **Python**

Tensorflow / Keras, Tkinter, Scipy, Flask, OpenCV, Matplotlib, Pandas

## TECHNICAL SKILLS

Java, C/C++, C#, Ruby, SQL, Verilog, LaTeX, CUDA, MIPS, HTML/CSS, Bash, Arduino, Unity, Git, MATLAB

Windows, Linux, Android

## SERVICE TRIPS

### **2019 Chicago Marathon**

Ran for Gilda's Club Chicago

### **2019 4k for Cancer**

Biked across America for the Ulman Foundation for Young Adults with Cancer

### **2017 Glasses for Haiti**

Raised \$15,000 for Eagle Scout project to bring glasses to over 600 people in Haiti