Dan Peluso

Machine Learning, Android Development, Software Engineering

pelusodan.com
github.com/pelusodan
Full time starting May 2021

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 (raising $200k in grants), 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, Howlthon

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), Live Data, File IO Networking, Services, BLE, MVVM, Threading, Retrofit

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, GraphQL

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 Port Au Prince, Haiti