

Dan Peluso

Mobile Development, Software Engineering, Hardware Design

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Full time starting May 2021

EDUCATION

Northeastern University — *B.S. in Computer Engineering, Minor in Computer Science (3.6 GPA, Dean's List)*

SEP 2017 -- MAY 2021

EXPERIENCE

WHOOOP, Boston, MA — *Junior Android Developer*

JUL 2020 -- DEC 2020

- Contributed to weekly production builds, including bug fixes, redesign for new architecture implementation, and new feature development
- Worked with the social pieces of the application, collaborating with backend engineers to interact with and display database operations
- Helped communicate and fix device specialization issues, specifically with iOS and Android design patterns and models

Pison, Boston, MA — *Software Engineering and Machine Learning Co-op, Junior Android Developer*

AUG 2019 -- JUL 2020

- Created and maintained consumer-grade accessibility app for people with ALS, raising over \$200k in funding after multiple demos
- Created and maintained app for data collection, following a full product lifecycle and agile-tracked workflow (Rx, Coroutines, File IO, AndroidUI Tests, Bitrise workflows)
- Implemented signal classification models (CNN, RNN, LDA) using Jupyter notebooks and Kubernetes services based on state of the art

PROGRAMMING

Android - Reactive Programming (RxJava), Live Data, RoomDB, Koin, BLE, MVVM, Threading, Retrofit, Coroutines, Fragments

Python - Tensorflow/Keras, Tkinter, Scipy, Flask, OpenCV, Pandas

Other - Swift, Dart (Flutter), Java, C/C++, SQL, Verilog, CUDA, MIPS, x86, ARMv8, HTML/CSS, Bash, Arduino, Unity, Git, MATLAB, GraphQL

PROJECTS

[Miss My Train](#)

Android application that compares walking times to MBTA predictions in gradient display

[Poke-Queue](#)

Android database connector app using Flask as an ORM to MySQL with custom endpoints for database operations

[Concentration Game](#)

My first native iOS app, which mimics the simple card flipping game

[FridgePal](#)

Designed a Flutter app to display food expirations using asynchronous SQL operations

[Kanesthetic Learning](#)

Android application which implements NFC beacon reader's locally stored information and gives the user additional information