

# Erin MyLungs

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## Employment

### Machine Learning Engineer, Keller Kreativ, Seattle, WA.

December 2019 - Present

- Brick IQ (Nov 2019)
  - Developed android app with live object detection and inventory management using data-binding and MVVM architecture.
  - Created and deployed backend API on AWS EC2 for machine learning and data persistence layer.
  - Automated synthetic data creation pipeline and reduced data requirements from hundreds of real images to only synthetic and reduce labor requirements from 40 hours to 1 hour.
  - Recompiled tensorflow and dockerized training pipeline to deploy on legacy hardware which reduced training time from 6 hours an experiment to 45 minutes.
- Set Tracker (Current)
  - Planned and Implemented mobile inventory tracking application using Google Cloud Firestore and Flutter.
  - Created excel parser to allow customers to load legacy data into the app with a single action.

### Backend Developer, Dreamers Inc, Remote.

February 2019 - Present

- Misc. (Sept 2019)
  - Built proof of concept ETL pipeline in Ruby on Rails for prospective client to automate inventory management.
  - Implement OAuth system with JSON web tokens and social media authorization with improved testing coverage.
- CEO School (Current)
  - Created API Endpoints for pandas pipelines to create dynamic financial projection reports.
  - Built and tested API and Database Schema using FastAPI, SQLAlchemy, and Pytest.
  - Onboarded frontend and backend developers to the project by writing documentation and direct collaboration.

## Skills

### Backend

- Web
  - FastAPI
  - PostgreSQL
  - SQLAlchemy
- Numpy
- Pandas
- Pytest

### Frontend

- Typescript
  - Vue
  - Ant Design
- Python
  - DearPyGUI
  - PySimpleGUI
  - Dash/Plotly

### Mobile

- Flutter
- Kotlin
- TF Lite
- ML Kit
- Google Firebase
  - Cloud Firestore
  - Firebase Auth

### DevOps

- AWS
  - Amplify
  - EC2
  - Route 53
  - S3
- Docker + Swarm
- Gitlab CI/CD