EDUCATION

University of Colorado Boulder **Aug 2020-Apr 2025**
Accelerated Masters of Science, Data Science and Machine Learning GPA: **3.7/4.0**
Bachelor of Science, Computer Science GPA: **3.6/4.0**
Engineering Leadership Certificate GPA: **3.9/4.0**

TECHNICALSKILLS

Neural Net Architecture	Python, R, Java, C, C++	Javascript, PHP, Typescrip, Go	Tensorflow, Pytorch
AWS, GCloud, SAM	React, Laravel, Vue	OpenGL3, ShaderLab	Arch Linux, NixOS

PROFESSIONALEXPIRIENCE

OnX Maps | ***Software Development Intern*** **May 2025-Aug 2025**
- Fully built a backend service responsible for all file imports for the OnX applications
- Created feature for notifying users when the deviate from their route
- Developed architecture that allows graceful handling of service outages without data loss
- Built frontend demo for backend service incorporating new actionable error handling

Quadrant Health, ELLA | ***Lead software developer*** **Aug 2024-Present**
- Conducted extensive surveys and used feedback to iteratively design a complete application wireframe
- Researched and built comprehensive database of medial panels, biometrics and other health forms
- Developing HIPAA compliant mobile application allowing users to comprehensively track their medical information, see trends in their data, and learn related medical and health information

7D Imaging | ***Full Stack Software Developer*** **Jun 2024-Aug 2024**
- Rebuilt full stack web application allowing clients like Konica Minolta to digitize user manuals
- Architected new declarative tech stack enabling portable, reproducible, and highly organized architecture
- Drafted application wireframe and charter and presented solution to Konica Minolta representatives

The Nyagi Project | ***Technical Lead*** **Sep 2023-May 2024**
- Lead development of cross platform mobile application using local computer vision to identify anatomy in ultrasounds. Tailored app for use in medically deprived areas without internet or performant devices
- Architected end to end pipeline for model training, building and integration in mobile app
- Received 1st place for Excellence in Design among all CU Boulder computer science capstone projects

Conservation Metrics | ***Software Development Intern*** **Apr 2019-Jul 2019 & Apr 2020-Aug 2020**
- Collaborated with senior developers to architect and train computer vision models to identify aleutian terns, other birds, and nests in drone photographs of Alaskan plains
- Developed firmware for Audomoth devices to improve timestamp tracking
- Created multithreaded cli tooled for extracting metadata from millions of Wildlife Acoustics files