Carter Andrew

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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

LEADERSHIPEXPIRIENCE

Computer Science Club | *Co-Founder*   **Sep 2018-Apr 2020**
– Coordinated with Intel to organize events between Telluride and Salesian High School, Eswatini
– Organized weekly volunteering at local library, raised $3000 of proceeds for Salesian High School

Colorado Fashion Club | *Creative Lead*   **Sep 2022 - Apr 2022**
– Coordinated 22 club participants to host local fashion show Cyberia in collaboration with CU ROAM

VOULENTEEREXPIRIENCE

Bozeman Bike Kitchen | *Voulenteer*   **32 Hours**
– Worked with donated bikes to either salvage parts or repair for donations or resale

Arizona Humane Society | *Voulenteer*   **21 Hours**
– Helped clean kennels, feed animals, do inventory, administer medications, and oversee visitations for adoption center and intensive care unit