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<https://github.com/█████████>

I'm an experienced Software Engineer / Data Scientist with passion for interdisciplinary work in environmental, social good, OSInt & citizen science projects.

Skills/Experience

Machine Learning	Prototypes	Remote Work	Ticketing Systems
Data Science	Linux Systems	Education/Mentoring	Rubber Ducking

Technologies

Python/PyTorch/sklearn	R/dplyr	skimage/scipy.signal	█████████/Dwarf/█████████
C/C++	Angular/NativeScript	Docker	AWS/GCP/firebase

█████████ - Scientific Programmer

May 2022 - present

Remote sensing research, ██████████ identification & tracking from ██████████ images & ██████████ data
Developed ██████████ to organize ██████████ images from multiple providers for global surveys
Led technology transfer work, moving academic prototypes to production & automated pipelines
Developed collaboration strategies & best practices for remote & international teams

█████████ - Machine Learning Researcher II March 2020 - April 2022

Performed DL/ML research for binary vulnerability detection & decompilation legibility tasks
Developed big data feature extraction pipeline distributed over cloud hosted virtual machines
Implemented & incorporated code from academic research publications into release products
Participated in authoring & reviewing ██████████/█████████ proposals for ██████████/█████████ funding solicitations

█████████ - Mobile / Full Stack Engineer March 2019 - March 2020

Developed ██████████, a x-platform citizen sciencery app to support ██████████ & research
Developed core tools for tracking ██████████ sightings & individual ██████████ identification
Contributed to data access API, supporting researchers in ██████████ projects

█████████ - Graduate Data Science Intern June 2018 - Sept 2018

Prototyped employee expert recommender system, to eliminate weeks in ticket triage & assignment
Designed & completed prototype from research papers & advisement of ██████████ employees

█████████ - Research Assistant

Oct 2017 - June 2018

Analyzed relationship of adjacent ██████████ populations for ██████████ & ██████████ health
Developed data processing/audit tools for survey data & ██████████ data, supporting ██████████ studies
Provided git, project management & security trainings for teams with varying readiness levels

Graduate Research ██████████ - Machine Learning (Audio Data)

Sept 2017 - Dec 2019

Developed VAEs & anomaly detectors ██████████ from signal processing research papers
Developed ██████████ track explorer, enabling research on 10 year (12 TB) continuous audio track
Measured effects of spectral subtraction & deep noise reduction techniques on ML models

█████████ - Volunteer Developer & Consultant

Nov 2015 - present

Developed remote sensing tools to classify ██████████ light sources for ██████████ study
Image processing consult for low resource blood tests of ██████████
Provided technology trainings/consultation on code optimization, NLP & image processing

█████████ - R&D Software Engineer

April 2014 - Dec 2015

Developed processing pipelines & workflows to enable ██████████ work for ██████████ programs
Helped run professional trainings to disseminate new ██████████ programming languages
Wrote on disenfranchisement under ██████████ for ██████████ feasibility study

█████████ University

Computer Science & Machine Learning
Masters of Science

█████████ University

Computer Science & Cryptography
Bachelor of Science, Math Minor