Philip ███████████   ████████████   ██████+res@protonmail.com

UTC−8   (+1) ███.███.█

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 & web UI, 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 ██████████████████ & █ noise reduction models to improve sound quality

█████████████ – Volunteer Developer & Consultant   Nov 2015 – present

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

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████████████████████████ University   ██████████████████████ University

Computer Science & Machine Learning   Computer Science & Cryptography

Masters of Science   Bachelor of Science, Math Minor