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

UTC−8   (+1) ███.███.████

https://github.com/██████

I'm an experienced Software Engineer / Data Scientist with passion for interdisciplinary, environmental, scientific, privacy, 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, tracking ████ from ██/██████ satellite images & ██████ data
Developed ██████ to join & catalog millions of satellite scenes, serving global ocean surveys
Developed tools to quickly label very large images on common machines without deformation
Led technology transfer work, moving research prototypes to production & automated pipelines

██████████ – Machine Learning Researcher II   March 2020 – April 2022
Research on binaries in vulnerability detection & improving code legability from decompilation
Developed feature extraction pipeline over cloud hosted virtual machines on TBs of data
Implemented, verified & incorporated ML/DL code from academic research into release products
Participated in authoring & reviewing ███/███ proposals for ██/████ funding solicitations

██████████ – Mobile & Full Stack Engineer   March 2019 – March 2020
Developed ██████████████, x-platform citizen sciencery app to promote ██████████ & research
Developed core tools for tracking ██████████ sightings & individual █████ identification
Contributed to data access API & web UI, supporting researchers in ████████████████ studies

████████████████████ – Data Science Intern (NLP)   June 2018 – Sept 2018
Prototyped employee expert recommender system, to eliminate weeks in ticket triage/assignment
Designed & completed prototype from research papers & advisement of top ████████ employees

██████████████████ – Graduate Research Assistant   Oct 2017 – June 2018
Analyzed relationship of adjacent ████████ populations for ████████ & ████████████ health
Developed processing/audit tools for survey & ████ data to support ████ study for ████████
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 for applied ██████ acoustics in very noisy environments
Developed a track explorer to enable research on 10 year (12 TB) continuous audio from ███
Measured effects of ████████████████████████████████ to reduce noise & improve audio quality

██████████████ – Volunteer Developer & Consultant   Nov 2015 – present
Developed remote sensing tools to classify light technologies in photos for ████████████
Consult on image processing for low cost diagnosis of ████████████████████████████████████
Provided technology training/consult on code optimization, medical NLP & image processing

██████████████ – R&D Software Engineer   April 2014 – Dec 2015
Developed processing pipelines & workflows for ████████ work on multiple █████ 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