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
Led technology transfer work, moving research prototypes to production & automated pipelines
Authored blog & documentation on data from research work, promoting private sector data sharing

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

Research in vulnerability detection & improving legability of code decompilation on binaries
Developed feature extraction pipeline over cloud hosted virtual machines on TBs of data
Implemented & incorporated ML/DL 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 █████████████, 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

███████████████ – ▽ 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

▽ Research ██████████ – Machine Learning (Audio Data)   Sept 2017 – Dec 2019

Developed VAEs & anomaly detectors for applied ██████ acoustics in very noisy environments
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 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 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