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 (Research)   May 2022 – April 2025
Remote sensing, using ███ detector to match ████ from ██ satellite images to ██████ data
Developed ██████ to join & catalog millions of satellite scenes, serving global ocean surveys
Developed custom labeler for very large ██ images, to make training data for object detection
Led technology transfer work, moving research prototypes to automated pipelines & production
Developed a light ORM/utils library to enforce best practices & documentaiton in cloud/IO
Ran audits on research projects to address security, documentation, & repo cleanliness issues

████████   – 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 █████ SBIR programs
Helped run professional trainings to disseminate new █████████████ programming languages
Wrote on disenfranchisement under █████████ for ████████████████████ feasibility study

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██████████████████████ **University**
Computer Science & Machine Learning
Masters of Science

██████████████████ **University**
Computer Science & Cryptography
Bachelor of Science, Math Minor