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**
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 █████████████, 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