Philip [redacted]

[redacted] UTC-8

[redacted]+res@protonmail.com
(+1) [redacted].[redacted].[redacted]

https://github.com/[redacted]

Skills/Experience :

Research MVPs	Linux Systems	Education/Mentoring	Ticketing Systems
ML/Data Sciences	Remote Work	Communication	Rubber Ducking

[redacted] **– R&T Machine Learning Engineer** **March 2020 – present**

Software developer & researcher on multiple product driven teams, in a remote environment
Developed distributed feature extraction & ML training pipelines supporting [redacted] programs
Produced research, identifying libraries with security vulnerabilities in compiled binaries
Technologies : Python, Docker, celery, Kibana, GitLab.ci, TargetProcess, MongoDB, LevelDB

[redacted] **– Staff Software Engineer** **March 2019 – March 2020**

Contributed as full stack developer on a small team, in both remote and onsite environments
Developed [redacted] App, a cross platform phone app supporting citizen-science projects
Maintained and contributed to user tools for individual [redacted] identification and tracking
Technologies : Native/TypeScript, Angular, Android, iOS, PostgreSQL, Java, Spring, firebase

Graduate Research [redacted] **– Marine Bioacoustics Engineering** **Sept 2017 – Dec 2019**

Designed, developed, and managed research work in a remote environment without oversight
Developed [redacted] track explorer library, to ease acoustic research on 10 year audio track
Implemented audio processing, cleaning, and deep anomaly detectors from research papers
Led and enabled a four week community data deep dive series through [redacted] (a local meetup)
Technologies : [redacted], Keras, tensorflow, PyTorch, scipy.signal, Jupyter, flask, Angular

[redacted] **– Graduate Data Science Intern** **June 2018 – Sept 2018**

Developed employee Expertise Recommender System, automating expensive mission-critical tasks
Completed deployable prototype from research papers and meetings with top [redacted] employees
Implemented stable/principled text normalization, tokenization, and model evaluation
Technologies : Python, nltk, gensim, pyLDAvis, pandas, Jupyter, Author-Topic-Model, LDA

[redacted] **– Research Assistant** **Oct 2017 – June 2018**

Contributed to microbiome population analytics tools, studying menopause & reproductive health
Developed processing pipeline and audit tools for reported & fMRI data, on AHDH/ASD studies
Authored project guidelines, git trainings, & acted as lab security/privacy representative
Technologies : Python, Bash, R, dplyr, phyloseq, neo4j, ponyorm, stan, GitLab, Docker

[redacted] **(Part Time)** **– Remote Contractor/Consultant** **Nov 2015 – Aug 2018**

Developed image processing tools for low cost spectral analysis, to study light pollution
Authored educational material in light pollution's effect on economy, biology, and technology
Developed natural language processing tools to organize and explore Myeloma clinical trials
Provided technology tutorials/consultation on code optimization, NLP, and image processing
Technologies : Python, skimage, sklearn, AWS, spark, CliNER, Morphological Watersheds

[redacted] **– R&D Software Engineer** **April 2014 – Dec 2015**

Developed processing pipelines and workflows to enable evaluator work for [redacted] programs
Helped run professional trainings to disseminate new probabilistic programming languages
Produced biannual quantitative and qualitative reports on for [redacted] and other [redacted] teams
Technologies : Python, SLURM, Scala, [redacted], [redacted], Docker, Jira, Basecamp

[redacted] [redacted] **– Software Development Engineer** **Dec 2012 – July 2013**

Team brought to schedule a lagging anchor release feature in 5 months, to 80% code coverage
Participated in threat modeling for multiple security sensitive applications
Technologies : C, C++, libCheck, Python, SQLite, Subversion, FreeBSD, OpenSSL

[redacted] **University**

Computer Science & Machine Learning
Masters of Science (2019)

[redacted] **University**

Computer Science & Cryptography
Bachelor of Science, Math Minor (2012)