Philip [redacted]

[redacted]
UTC-7

[redacted]@protonmail.com
[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**

Individual contributor on machine learning & security research team, in remote environment

[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 Acoustics Engineering **Sept 2017 – Dec 2019**

Designed, developed, and managed research work in a remote environment without oversight
Researched novel techniques to study/index bioacoustic events from a 10 year audio track
Measured effects of adaptive spectral subtraction, for audio denoising, on models' accuracy
Developed [redacted] track explorer library, to help rejuvenate data access for researchers
Implemented analysis tools, denoising, and deep learning models from research papers

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
Fully specified programmatic solutions from use-case meetings with top [redacted] employees

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
Acted as Git, OSS, and securities lead, developing trainings and enforcing best practices
Authord & established project development guidelines, Acting Git Czar & Lab Security Representative

Technologies : Python, Bash, R, dplyr, 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**

Designed and developed password manager to supporting self encrypting drives in FreeBSD
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
2016 – 2019

[redacted] University

Computer Science & Cryptography
Bachelor of Science, Mathematics Minor
2007 – 2012