Philip Stuckey

Updated: 2024-09-23

Contact Information

Email: pstuc011@fastmail.com
GitHub: https://github.com/philip-stuckey
Phone: (804)925-5737
LinkedIn: philip-stuckey-586162120

Education

Old Dominion University
Bachelors of Science, May 2018
Major: Physics
Minor: Mathematics
Final GPA: 3.36

Work Experience

Booz Allen Hamilton 07/2024 – Present

Title: Senior Consultant
Type: full-time (40 hours / week)

Puyenpa 09/2020 – 05/2022

Title: Physicist/Analyst
Type: full-time (40 hours / week)
- Deployed machine learning models looking for radioactive cargo entering the U.S.
- Developed Gitlab CI pipelines for continuous integration.
- Refactored large Java project using object-oriented best practices.
- Collaborative development using Agile methods via Confluence.

Certifications

US Citizen

DoD Secret Clearance
Active

Licensed Amateur Radio Operator
Technician Class
Grant Date: 08/18/2022

Skills

Personal
- Quick Learner.
- High attention to detail.
- Active problem solver.
- Team Player.

Technical
- Source control software (Git, Bitbucket, Gitlab).
- General Purpose Languages (Java, Python).
- Statistical Languages (Julia, R).
- ODBC Packages (pySQL, SQLalchemy).

Selected Projects

Checkers
Find Dominating Subsets in Grid-Like Graphs.
- Graph Theory.
- Optimization.

Buzz
Tools to extract important words from text.
- Natural Language Processing.
- Web Scraping.

Wordle Solver
Heuristic based Wordle Solver.
- Information Theory.
- Statistical Analysis.

Ascent Optimization
Using Artificial Intelligence (AI) to optimize rocket launches.
- Orbital Dynamics.
- Reinforcement Learning.