

# Philip Stuckey

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## Contact Information

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## Education

### Old Dominion University

Bachelors of Science, May 2018

Major: Physics

Minor: Mathematics

Final GPA: 3.36

## Work Experience

### Booz Allen

07/2024 – Present

### Hamilton

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.

### [Wordle Solver](#)

Heuristic based Wordle Solver.

- Information Theory.
- Statistical Analysis.

### [Buzz](#)

Tools to extract important words from text.

- Natural Language Processing.
- Web Scraping.

### [Ascent Optimization](#)

Using Artificial Intelligence (AI) to optimize rocket launches.

- Orbital Dynamics.
- Reinforcement Learning.