

# Ryan Flynn

Software Engineer

## WORK EXPERIENCE

### SOLUTE, a Sigma Defense Company

Software Engineer II

August 2021 – Present

- Contributed as a vital member of the backend team for a web application utilizing Python and React that serves as a planning tool for Navy personnel.
- Successfully integrated an internal tool into the web application, saving the user significant time.
- Documented all calculations and algorithms utilized within the application's backend for inclusion in user help documentation.
- Handled data validation with Pydantic, managed PostgreSQL databases, and interfaced with REST APIs.
- Improved code quality, addressed bugs, conducted testing, and actively participated in code reviews as needed.
- Took on several DevOps roles, enhancing GitLab CI/CD pipelines and implementing infrastructure as code with Terraform.
- Utilized agile methodologies with two-week sprints and efficiently managed tasks with GitLab.
- Promoted from **Software Engineer I** (November 2022)

### Cuhaci & Peterson Architects

Computational Design Programmer

January 2021 – August 2021

- Developed Python scripts to automate Revit model creation, significantly improving efficiency for architects at the firm.
- Collaborated with fellow employees to develop process-based automation tools aimed at improving workflow.
- Led Computational Design efforts as the sole programmer in collaboration with my supervisor, driving innovation within the company.
- Promoted from **Computer Programmer Intern** (March 2021)

## PROJECTS

### Budget Assistant - Python, Openpyxl, Microsoft Excel

March 2023

- A Python script that resets monthly budgets, validates that links and equations are correct, and prints progress to the terminal.

### Savings Mapper - Swift, SwiftUI, XCode

February 2021

- An iOS app that gives users a flexible way to calculate how much money to allocate to each of their savings goals every month.

### Pet Connect - Python, Java, Firebase, Raspberry Pi

December 2020

- A smart home system that allows homeowners to let their pets outside when they are away. An Android app lets the pet owner change the settings, talk to and see their pet.

## CONTACT

- Orlando, FL (Open to Remote)
- 407-489-7118
- rflynn0523@gmail.com

## SKILLS

### Languages:

- Python
- Swift
- Java
- JavaScript
- Rust
- Golang

### Frameworks:

- Pydantic
- Pytest
- SwiftUI
- ReactJS

### Databases:

- PostgreSQL
- Google Firebase

### DevOps:

- GitLab CI/CD
- Terraform
- Docker

### IDEs:

- Visual Studio Code
- XCode
- Android Studio

### Additional Technologies:

- Git
- REST APIs
- Apache Kafka
- Swagger
- Postman
- Poetry

## EDUCATION

### University of Central Florida

B.S. Computer Engineering

Minor in Psychology

Orlando, FL — December 2020

## OTHER

CompTIA Security+ Certification -  
December 2021