# Ryan Flynn

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https://rflynn523.github.io/ResumeWebApp/ 🌐

A young engineer with a growing passion for computer engineering, specifically embedded systems, computer science, and software development.

## Education

**Bachelor of Science Degree in Computer Engineering**
  **University of Central Florida**
- Graduated in December 2020
- GPA: 3.3
- Minor in Psychology
- **Relevant Coursework:** Computer Science 2, Object Oriented Programming, Enterprise Computing, Database Systems, Operating Systems, Robotic Systems, Discrete Structures 2, Programming Languages, Embedded Systems, Digital Systems, Computer Architecture, Electronics 1.

## Work Experience

**Software Engineer**  − *SOLUTE*  −  (Aug. 2021 - Present)
- Developing a microservice in Golang that parses messages using Kafka in a publish-subscribe architecture.
- Documented legacy build and configuration systems using Gitlab wiki.
- Working on AGILE development schedule with 2-week sprints, managing issues with Gitlab.
- CompTIA Security+ Certification

**Computational Design Programmer**  −  *Cuhaci & Peterson Architects*  −  (Jan. 2021 – Aug. 2021)
- Developing automation scripts that create Revit models for each team within the company.
- Communicating with other employees to create helpful process-based automation tools.
- Using Computational Design to integrate intelligence into data streams and automation scripts.
- Promoted from **Computer Programmer Intern** (March 2021)

## Skills

**Programming Languages**: Python, Java, Golang, Swift, C, C++, C#, JavaScript, SQL, HTML, CSS

**Software Tools**: Visual Studio Code, Code Composer Studio, Android Studio, PyCharm, Atom, XCode, Eclipse, Xilinx, Multisim, Google Colab, MySQL Workbench, Google Firebase, Dynamo

**Hardware Tools**: Raspberry Pi, MSP-EXP430 G2 and MSP-EXP430 FR6989 Launchpad Microcontrollers, FPGA BASYS Board, Breadboards, Boe-Bot

**Familiar with**: REST APIs, Postman, React JS, Java Swing, Tkinter, OpenCV, Openpyxl, GitHub, SwiftUI

## Projects

**Savings Mapper** – Swift, SwiftUI, XCode **(Personal)**
- An IOS app that gives people a flexible way to calculate how much money to allocate to each of their savings goals every month.

**Pet Connect** – *Python, Java, Google Firebase, Android Studio, Raspberry Pi* **(Senior Design)**
- 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.

**Resume Web App** – *HTML, CSS, JavaScript, React JS, GitHub Pages* **(Personal)**
- A personal website that is an extension of my resume to provide more details about my skills, education, and projects.

**Budget GUI** – *Python, PyCharm, Tkinter, Openpyxl, Microsoft Excel* **(Personal)**
- A desktop GUI application that reads and writes to an Excel budget spreadsheet to display monthly values and reset budget entries each month.