

# Johnny Do

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## EDUCATION

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University of California, Irvine

Sept. 2022 - Present

Current GPA: 3.56

Bachelor of Science in Computer Science

Expected Graduation: May 2026

**Skills:** Python, C/C++, Github, SQLite, HTML, CSS, Javascript, Typescript, Angular, Ionic

**Coursework:** Intermediate Programming (Python), Programming in C/C++ as a Second Language, Boolean Logic and Discrete Structures, Intro to Computer Organization, User Interaction Software

## PROJECTS

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**Certifications:** Google IT Automation with Python Specialization

UCI Zothacks 2022, Irvine CA

November 5-6th 2022

Hackathon

**Python, HTML, Flask, Git, Github, API integration**

- Worked in a team of 4 to create *Petr's Pantry Meals* within 12 hours.
- A web app that takes the ingredients the user has in their kitchen and uses data from the public API by Spoonacular to provide them with recipes having those ingredients.

**Live Direct Messaging Chat Application**

March 24, 2023

ICS 32 Final Project

**Python, Tkinter, Sockets, Object-Oriented Design**

- Made use of **Object Oriented Practices** in order to implement sending and retrieving messages
- Implemented the Direct Messaging **Protocol** to support direct messaging with commands for sending and receiving messages on the DSP platform
- Given a starter GUI code; designed and developed the **GUI** using **Tkinter**, allowing users to send and receive direct messages seamlessly

**Airport Database Management System**

May 10, 2023

Project

**Python, SQLite, Object-Oriented Design**

- Developed a **Python** application for managing and interacting with a SQLite database within a tkinter interface
- Became familiar with **SQL queries** and how to mitigate SQL injection risks by sanitizing user inputs and utilizing parameterized queries
- Leveraged knowledge of database schema and constraints to handle **NULL values** effectively in the user interface
- Utilized **incremental development** and **testing** approaches, regularly committing code to a **Git repository**

**Sorted List Map Interface**

November 28, 2023

Project

C++

- Implemented a sorted “map interface” using a doubly linked list in C++, incorporating key-value pairs that uses **templates** to be able to work with any type
- Implemented memory management and demonstrated object-oriented programming principles to develop constructors, destructors, copy constructors, and assignment operators