

Richard Wright

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EDUCATION

University of Central Florida

Orlando, FL

B.S. Computer Science, Minor in Mathematics (Major GPA: 4.0)

Expected Graduation: December 2025

Relevant Coursework: Data Structures and Algorithms 1 and 2, Object-Oriented Programming, Security in Computing, Discrete Mathematics, Programming in C, Computer Logic and Organization, Concepts in Computer Science, Calculus 1-3

Academic Achievements: Florida Bright Futures Scholar, Cambridge Diploma, Dean's List

Organizations: UCF KnightHacks, ColorStack, NSBE (National Society of Black Engineers), CodePath

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript/JSP, HTML, CSS

Technical Knowledge: Data Structures and Algorithms, Object-Oriented Programming, Document Object Model, Strong Math Foundation

Developer Tools: Git, Github, VSCode, IntelliJ, Eclipse, Node.js, React Developer Tools

Libraries/Frameworks: React.js, Tailwind CSS, Bootstrap, NumPy, discord.py

EXPERIENCE

Concepts in Computer Science Teaching Assistant

August 2022 – January 2023

University of Central Florida

Orlando, FL

- Conducted one-on-one or group tutoring sessions to help hundreds of students with programming assignments and projects.
- Provided guidance and support in debugging code, identifying errors, and implementing effective solutions.
- Collaborated with instructors to develop teaching materials, assignments, and assessments.

Calculus Teaching Assistant

August 2023 – Present

University of Central Florida

Orlando, FL

- Assisted in delivering comprehensive calculus instruction by leading discussion sessions, clarifying complex concepts.
- Utilized software tools such as Wolfram Mathematica and Desmos to create and demonstrate interactive and visual examples of calculus concepts and applications.

PROJECTS

Discord Bot | *Python and discord.py Library*

June 2022

- Built using the discord.py library, which is an API wrapper for Discord written in Python.
- Leverages the Discord API to interact with the Discord platform.
- The bot's class-based structure enables better organization and maintenance of the codebase.
- Provides a high-level interface to interact with the Discord API, allowing the bot to send and receive messages, manage server events, and perform various actions within my Discord server.

BlurrSmith.ai | *React, Tailwind CSS, Python*

September 2023

- Collaborated on a hackathon team project focused on the development of a privacy-focused web application.
- Allows users to upload photos and automatically detects and blurs identifiable features such as license plates and faces, enhancing user privacy.
- Implemented robust Python backend by integrating a face-detection API, leveraging the capabilities of a pre-trained Machine Learning model.
- Implemented intuitive user-interface that simplifies the process of uploading photos.

Student Schedule Builder | *Java*

January 2023 – February 2023

- Developed a small pseudo student schedule builder that adds/removes classes for multiple students.
- Created by utilizing the Eclipse IDE and Java.
- Accomplished through the use of encapsulation, inheritance, and polymorphism to help minimize the lines of code needed and still achieve the correct program logic.
- Applied Git version control to coordinate with four other developers resulting in efficient code updates.