

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: Spring 2026

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/C++, JavaScript/JSX, HTML, CSS

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

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

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

EXPERIENCE

Computer Science Teaching Assistant

August 2022 – January 2023

University of Central Florida

Orlando, FL

- Conducted one-on-one and group tutoring sessions to help 352 students with programming assignments and projects.
- Provided guidance and support in debugging code and implementing effective solutions.
- Collaborated with instructors to develop teaching material and assignments.

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.
- Used software tools such as Wolfram and Desmos to demonstrate interactive and visual examples of calculus concepts.
- Increased exam scores by 23%.

PROJECTS

LawgicBot | *React, Typescript, Python, Microsoft SQL Server*

October 2023

- Developed a Legal Assistant Chatbot that provides users with legal assistance through a conversational interface.
- Powered by OpenAI API to increase AI response speed by 15%.
- Information from React frontend is processed by sending to python backend.
- Utilized Microsoft SQL as the database to manage user information.

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

September 2023

- Hackathon team project that allows users to blur out faces and license plates in images.
- Allows users to upload photos that will be sent to a python backend.
- Python backend integrates face-detection API, leveraging machine learning model.
- Implemented intuitive user-interface that simplifies the process of uploading photos.

Discord Bot | *Python and Discord.py Library*

June 2022

- 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.
- Built using the discord.py library, which is an API wrapper for Discord written in Python.
- The bot's class-based structure enables better organization and maintenance of the codebase.