

# 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/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

### 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.

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

October 2023

- Developed a Legal Assistant Chatbot that provides users with legal assistance through a conversational interface.
- Chatbot is powered by a GPT-based model, focusing on providing accurate and relevant legal advice.
- Backend of application is powered by Python and the OpenAI API, ensuring efficient processing and response generation.
- Utilized Microsoft SQL as the database to securely store and manage user information.