

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: Fall 2025

Relevant Coursework: Data Structures/Algorithms, Object-Oriented Programming, Computer Security, Discrete Mathematics, Computer Architecture, Machine Learning, Database Systems

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, TypeScript, SQL, HTML, CSS

Technical Knowledge: Git, GitHub, REST APIs, CRUD, MongoDB, Unix, VSCode, React Developer Tools, Chrome DevTools, Node, NPM, Document Object Model, Web-Scraping.

Libraries/Frameworks: React, Express, Mongoose, Tailwind CSS, NumPy, Discord.py, Selenium.py

EXPERIENCE

Software Engineer Intern (Incoming)

May 2024 – August 2024

Liberty Mutual

Seattle, WA

- US Retail Markets Team

Computer Science Teaching Assistant

August 2022 – Present

University of Central Florida

Orlando, FL

- Conducted one-on-one and group sessions to help 352 students with course projects for a data structures course.
- Provided guidance in debugging code and implementing effective solutions in C programming language.
- Collaborated with instructors to develop teaching material and assignments.

Calculus Teaching Assistant

August 2023 – Present

University of Central Florida

Orlando, FL

- Delivered comprehensive calculus instruction by leading discussion sessions and clarifying complex concepts.
- Used software tools such as Wolfram and Desmos to demonstrate interactive and visual models of theorems.
- Increased mean exam scores by 11% in first semester of employment from 72% to 83%.

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% compared to IBM's WatsonX tool.
- Information from React frontend is processed by sending to Python backend using Flask for API usage.
- Utilized Microsoft SQL database to store and 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 using Flask.
- Integrated face-detection API, leveraging trained machine learning model.
- Created intuitive user-interface built with React that simplifies the process of uploading photos.

Study Room Snatcher | *Python and Selenium Library*

April 2024

- Developed Selenium-powered Python script that automates daily reservations of university study rooms with 100% success rate for personal use.
- Hosted application on local server with 24/7 uptime, executing everyday at 12:00am.
- Optimized the web-scraping logic to handle dynamic web content, ensuring adaptability of the script.

Discord Bot | *Python and Discord.py Library*

June 2022

- Created discord bot with auto-moderation, task-scheduling and other management features for personal server.
- Built using the discord.py library, an API wrapper for Discord written in Python.
- The bot's class-based structure enables better organization and maintenance of the codebase.