

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: JavaScript, TypeScript, Python, Java, C/C++, SQL, HTML/CSS

Libraries/Frameworks: React, Express, Node, Mongoose, TailWind, Selenium, Bootstrap, Discord.py, NumPy

Tools: Git, GitHub, MongoDB, AWS (Amazon Web Services), Microsoft Azure, IntelliJ, VSCode, Jira, Postman, Unix, Windows WSL, Twilio

EXPERIENCE

Software Design Engineer Intern

August 2024 – December 2024

Cole Engineering

Orlando, FL

- Incoming Software Engineering intern on Model and Simulation team.

Software Engineer Intern

May 2024 – August 2024

Liberty Mutual

Seattle, WA

- Executed integration of AWS Lambda and DynamoDB for routing customers to correct agents based on stored user information.
- Designed Python scripts to automate call routing, ensuring efficient connections between customers and agents.
- Achieved a **24% reduction** in call routing costs by optimizing Twilio configurations and workflows.
- Pioneered the transformation of legacy codebases by modifying various REST API endpoints.
- Utilized Jira to manage and resolve incoming tickets, ensuring timely completion of tasks.

Computer Science Teaching Assistant

August 2022 – April 2024

University of Central Florida

Orlando, FL

- Conducted one-on-one and group sessions to **instruct 352 students** and provided assistance with projects for UCF's 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.
- Increased mean exam scores **by 11% from 62% to 73%** in first semester of employment.

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.
- Leveraged 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.
- Designed and implemented an intuitive user interface using React, streamlining the photo upload process.
- Managed user photo uploads by connecting to Python backend via Flask.
- Integrated face-detection API, leveraging trained machine learning model.

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**.
- 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.