

# Carla McBurnie

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## Education

University of Central Florida  
Major: *Bachelors of Science in Computer Science*

Anticipated Graduation Date: May 2027  
GPA: 3.500

## Past Projects

### Contact Manager Web Application

January 2025 – February 2025

- Worked in a team of five to develop a full-stack web application for handling a registered user's contacts.
- Developed REST API endpoints using the PHP coding language to provide the application storage operations.
- Tested the API endpoints using PowerShell and the Kali Linux terminal.
- Documented the API using SwaggerHub for the front-end developers to use.
- Assisted another team member in creating the Google Slides to present our application's capabilities.

### Java Graphing Project

November 2024 – November 2024

- Developed a program, using the Java coding language, to determine the most fiscally responsible railroad system through a given set of cities.
- Utilized the concepts of graphing algorithms and disjoint sets to efficiently form the railroad system.
- Ensured that the code written could operate within the given time constraint.

### Forage's Verizon Software Engineering Simulation Training

October 2024 – November 2024

- Completed a job simulation involving building a hypothetical new VPN product for Verizon's Cloud Computing team.
- Used command line Python to evaluate whether Verizon's VPN met the cloud-native traits, i.e. redundancy, resiliency and least-privilege.
- Researched approaches to achieve application security and reported findings in a PowerPoint Presentation.

### Forage's Anz Cybersecurity Management Simulation Training

September 2024 – October 2024

- Analyzed the contents of a test group of emails, specifically looking for malicious content.
- Created a report for each email with the results of the analysis, confirming the presence of any malicious content.
- Extracted the contents from multiple files, in different formats, using Wireshark and HxD Editor.
- Analyzed the user activity in the file, for suspicious downloads.
- Documented and reported the results of the analysis.

## Programming Languages

Java (Advanced) | C (Intermediate) | Python (Intermediate) | SQL (Intermediate) | HTML (Intermediate) | CSS (Intermediate) | JavaScript (Intermediate) | C++ (Beginner) | PHP (Beginner) | Rust (Beginner)

## Known Technology

Bash Shell (Intermediate) | Bootstrap (Intermediate) | Eclipse IDE (Intermediate) | Kali Linux (Intermediate) | GitHub (Intermediate) | WireShark (Beginner) | PowerShell (Beginner) | Digital Ocean LAMP Droplet (Beginner)

## Awards

- Dean's List: Fall 2023 and Fall 2024.
- University of Central Florida Pegasus ScholarShip
- State of Florida Bright Futures Scholarship

## Professional Affiliations

### Collegiate Cyber Defense Club @ UCF

Active Member

Orlando, FL  
September 2023 – Present

- Participated in workshops, general body meetings, and training sessions.
- Focused on workshops related to the command line and defense-related topics.