

# Aiden Dowling

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## EDUCATION

**University of Georgia (UGA)** *Athens, GA*  
**B.S. Computer Science & B.E. Computer Systems Engineering** *Expected Graduation Dec. 2026*  
Morehead Honors College & Woodruff Scholar, Previous Dual Enrollment Student 2022-2023 *GPA: 4.00/4.00*

## RELEVANT PROJECTS

**IdentifAI Mobile Application** *August 2024*

- Mobile application utilizing Kotlin and Android studio designed to help identify people for those suffering memory loss
- Functions with AWS Rekognition and AWS Cloud services to allow users to submit photos and match with profiles

**Walley Budgeting App** *September 2024*

- Created a full-stack advanced budgeting application for college students utilizing React, Recharts, and MongoDB
- Customizable budgets, expense tracking, student loan visualization and analysis, and avatar customization

## WORK EXPERIENCE

**Cyber Security Intern** *Athens, GA*  
**UGA CyberArch** *August 2024– Present*

- Collaborated on a team to create and implement cybersecurity analyses/plans for Georgia government organizations
- Developed a project focused on password encryption for future use at the University of Georgia
- On the team working to develop the CyberArch podcast, blog, and website development

**IT Specialist** *Athens, GA*  
**First Presbyterian Church of Athens** *November 2022 – Present*

- Arrive first at the building every Sunday, responsible for setting up lighting and audiovisual technology
- Responsible for live streaming all services throughout the week using OBS, PTZ Optics, and TF StageMix
- Assist in managing the church's database derived from their website utilizing MongoDB

**Engineering Program Intern** *Washington, D.C.*  
**The NEED (National Energy Education Development) Project** *May 2024 - August 2024*

- Previous Engineering Program Organizer for Summer 2023
- Headed the design, logistics, and execution of multiple engineering conferences with 500+ participants
- Assisted in designing comprehensive computer and electrical engineering projects for college/high school students
- Developed programs in collaboration with companies such as CITGO, LUMA, Phillips 66, Exelon, and Constellation

**Software Engineering Undergraduate Researcher** *Athens, GA*  
**The University of Georgia** *September 2023– May 2024*

- Assisted on a 4 person team under Dr. Nandana Weliweriya Liyanage
- Implemented Python, Flask, and AWS to develop an online interactive testing program mimicking a scratch-off card
- Project implemented into UGA physics classrooms and featured at the UGA CURO Research Symposium

## CAMPUS & COMMUNITY INVOLVEMENT

**UGAHacks, Logistics Engineering Organizer** *May 2024 - Present*

- Lead organizer of UGA Hack's annual hackathons, leading the design and implementation of data structures workshops

**The Georgia Institute of Technology, HackGT Hackathon Assistant** *October 2023 - Present*

- Aid in the set up and execution of GT HexLab's annual hackathon, assisting in the leading of multiple workshops

**UGA StemZone, President of Logistics and External Affairs** *May 2023 – Present*

- Organized multiple UGA STEM fairs, focusing on computer science education and outreach

**UGA Club Powerlifting, University Athlete** *August 2023 – Present*

- Trained rigorously for powerlifting technique and strength, compete in the USAPL GA State Collegiate Championship

## SKILLS & CERTIFICATIONS

**Google Professional Cyber Security Certification** *May 2024*

- Completed a 6-month intensive program on network security, cryptography, incident response, SQL, and Python

**MIT Cyber Security For Critical Urban Infrastructure Certification** *March 2024*

- Completed a 6-week program on network security and incident response for critical infrastructure sectors