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 *September 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

To-do List Application *July 2024*
- Created a full-stack to-do list application using Python, Flask, HTML, and CSS
- Upon input, users can add tasks, check off tasks, and remove tasks from the display

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