

Aiden Dowling

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EDUCATION

Georgia Institute of Technology

B.S. Computer Engineering

Transferred from the University of Georgia honors college with a 4.00 GPA.

Atlanta, GA

Expected Graduation May 2026

GPA: 4.00/4.00

RELEVANT PROJECTS

University Marketplace App

October 2024

- Developed a full-stack marketplace app for college students with ReactJS, MySQL, and Node.js.
- Featuring user authentication and profiles and intuitive "Buy" and "Sell" pages for browsing and posting listings.

Walley Budgeting App

September 2024

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

IdentifAI Mobile Application

May 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.

WORK EXPERIENCE

Cybersecurity Intern

Atlanta, GA

CyberArch

August 2024– Present

- Design & implemented cybersecurity response plans for 2 non-profit organizations, reducing incident response time by 50%.
- Led a secure login project for deployment at CyberArch, implemented onto our services for 50+ users.
- Published 2 research papers on cybersecurity and data-driven strategies, contributing to advancements in security protocols.

IT Specialist

Athens, GA

First Presbyterian Church of Athens

November 2022 – December 2024

- 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 with the church's database, implemented into the website using MongoDB to organize and streamline data effectively.

Engineering Project Management Intern

Washington, D.C.

The NEED (National Energy Education Development) Project

May 2024 - August 2024

- Previous Engineering Project Organizer for Summer 2023
- Headed the design, logistics, and execution of multiple engineering conferences with 500+ participants.
- Assisted in designing comprehensive computer science and electrical engineering projects for 5 client companies.
- 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 a 4-person team under Dr. Nandana Weliweriya Liyanage to develop an interactive online testing program.
- Utilized Python, Flask, and AWS Cloudbase to simulate an online scratch-off card experience, exporting to a CSV file.
- Implemented the project into UGA physics classrooms, later featured at the UGA CURO Research Symposium.

CAMPUS & COMMUNITY INVOLVEMENT

Georgia Tech HexLabs, Finance and Tech Organizer

September 2024 - Present

- Organizer for non-profit organization responsible for GT's flagship hackathon, assisting in the leading of multiple workshops.

UGAHacks, Logistics Advisor

December 2023 - Present

- Lead advisor of UGA Hack's annual hackathons while attending Georgia Tech, previous logistics team lead.

Georgia Tech Barbell Club, University Athlete (Previous UGA Athlete)

August 2023 – Present

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

UGA StemZone, President of Logistics and External Affairs

May 2023 – December 2024

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

SKILLS & CERTIFICATIONS

Google Professional Cyber Security Certification

May 2024

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

Agile Software Development Certification

October 2024

- Completed a 6-week program on Agile methodologies, including Scrum, Kanban, and DevOps practices.