

ADAM WILKINS

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Portfolio: <https://2003nitro.github.io/AdamWilkinsPortfolio/#/home>

EDUCATION

Southern New Hampshire University
Bachelor of Science, Computer Science | Robotics Minor | **GPA: 3.67**

Manchester, NH
Anticipated April 2026

TECHNICAL SKILLS / CERTIFICATION / RELATED COURSES

Languages: Python, C#, C++, C, Java, TypeScript, JavaScript, MySQL

Web and Mobile: HTML, CSS, Node.js

Operating Systems: Microsoft Windows, MacOS, UNIX/Linux

Data Analytics: MySQL, pandas, NumPy, matplotlib, scikit-learn

Frameworks & Tools: Angular, Flask, React Native, Git, GitHub

Hardware & Embedded Systems: Arduino, ESP32, Onshape, Bambu Labs

Certifications: Python Certified 2021

Related Courses: Software Engineer Project 1 & 2, Mobile Robots, Artificial Intelligence, Software Development Lifecycle

PROJECT EXPERIENCE

Scale Stop Light September 2025 – Present

- Developing an Arduino-controlled scale stoplight using 3D-printed parts, metal extrusion, and external relays.
- Testing PixyCam2 camera detection for accurate light brightness, height calibration, and future car integration.
- Collaborating across Computer Science and Engineering to design a modular, magnet-mounted traffic light system.

IDEA Lab Tracker January 2025 – April 2025

- Collaborated with a team of four to develop a web application using Angular and TypeScript to track all the screws, nuts, and components in the IDEA Lab within SNHU's School of Engineering, Technology, and Aeronautics (SETA).
- Worked with clients in the IDEA Lab and the Electrical Lab to design a custom website that is straight forward to use and update daily.
- Designed front end with multiple pages and popups and gained feedback from clients on what they would like to see.

Automated Desktop Assistant Manager (A.D.A.M) August 2024 – April 2025

- Developed a voice-controlled desktop assistant with a team of four to make using a computer more enjoyable with the ability to use system controls with voice.
- Functionality includes the ability to increase and decrease brightness and volume, mute mic, make notes, set presets, get the date and time, control Spotify, and use OpenAI whisper to have an ongoing conversation.

Full Stack Customer Service Application September 2023 – December 2023

- Designed an application using React Native with a team of 5 to allow users to connect with their favorite businesses.
- The user side will allow customers to make appointments while the business side allows the workers to set up available times, accept and reject customers, and see statistics of the business.

LEADERSHIP EXPERIENCE

Office of Residence Life – Southern New Hampshire University Manchester, NH

Peer Advisor August 2025 – Present

- Collaborate closely with the Resident Director to facilitate weekly staff meetings, coordinate team-building activities, and ensure both new and returning Resident Assistants are prepared to handle various situations and challenges.
- Support a team of 9 Resident Assistants in fostering a positive, inclusive, and engaging residential community.
- Serve as a mentor by providing guidance and offering peer support to empower Resident Assistants in their roles.

Office of Residence Life – Southern New Hampshire University Manchester, NH

Resident Assistant August 2024 – August 2025

- Collaborated with a team of 13 other Resident Assistants to foster a welcoming and inclusive hall community.
- Ensured a safe living environment by enforcing hall policies while promoting a fun and supportive atmosphere.

HONORS / AWARDS

SETA Cup, Earned 3rd Place Award, Student coding competition with teams of three.

March 2025