

MADISON CONWAY

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PROFESSIONAL SUMMARY

Computer Science graduate with hands-on experience in full-stack web development, software engineering, and Agile methodologies. Experienced in building and deploying MERN applications, managing RESTful APIs, and implementing CI/CD pipelines. Tutored programming concepts and collaborated on robotics projects. Scrum Fundamentals Certified. Actively working towards AWS Certified Cloud Practitioner.

EDUCATION

Bachelor of Science - Plymouth State University Graduated May 2025
Plymouth, NH
B.S. in Computer Science; Minor in Cybersecurity; Cumulative GPA: 3.58/4.0

Relevant Coursework: Software Engineering; Operating Systems; Systems Programming in C/C++; Systems Analysis and Design; Data Structures and Intermediate Programming; Database Management Systems; Algorithm Analysis.

Honors: University Honors Program, TRIO Scholars Program, both recognized at Graduation.

High School - Pinkerton Academy Graduated 2021
Derry, NH
VEX Robotics Team Captain
Captain of Team 241D; coordinated VEX Robotics team competitions, performed community service, and collaborated with fellow students on programming, robot building, documentation, and design.

CERTIFICATIONS & PROGRAMS

Scrum Fundamentals Certified - SCRUMstudy Issued July 2025
Expires: Never
Relevant Skills: Understanding of Scrum framework, Agile methodologies, sprint planning, backlog management, and cross-functional team collaboration.

AWS Certified Cloud Practitioner (In Progress) Expected September 2025
Relevant Skills: Foundational knowledge of AWS services (EC2, S3, Lambda), cloud security, load balancing, cost optimization, and cloud architecture principles.

Introduction to Large Language Models - IBM SkillsBuild Issued March 2025
Relevant Skills: Understanding of large language models, prompt engineering, NLP, and ethical AI practices through IBM SkillsBuild.

WORK EXPERIENCE

University System of New Hampshire
Plymouth, NH

Computer Science Tutor January 2024 - May 2025
Tutored for students in Computer Science/IT; Assisted in study, homework, and project help.
Languages/Skills tutored: HTML, CSS, PHP, C, C++, Java, Python, JavaScript, Tailwind, Node.js, React, SQL, Machine Language, Computer Hardware and Architecture. Recognized at Graduation.

Robotics Project Assistant November 2021 - May 2022 + September 2024 - May 2025
Consultant for PSU Robotics projects in the PSU Robotics Maker Space. Hardware and Testing assistance.

IT Helpdesk October 2021 - May 2022
Provided technical support to 50+ users, troubleshooting hardware, software, and network issues.

Barrington Shores Campground

Barrington, NH

Activities Director and Event Coordinator

July 2019 - Present

Team leader in events and activities for Barrington Shores Campground - 7 camping seasons. Coordinated and managed the calendar of 50+ activities for May-September. Budgeting and management to provide campers with programs for the season.

PROJECTS & TECHNICAL SKILLS

Relevant Skills: HTML, CSS, PHP, C, C++, Java, Python, TypeScript, SQL, MongoDB, React, JavaScript, Tailwind, Bootstrap, Express.js, Node.js, Phoenix Framework, Elixir, Nginx, Dart, Flutter, MariaDB, RESTful APIs, AWS.

- **WhiskAway;** Personal project developing a MERN stack web-app. A social application that focuses on implementing recipe data and updates using APIs, and features a user authentication system. Made with JavaScript, React, Node.js, Express.js, and MongoDB. Nginx used for deployment. Showcases skills in full stack development, API integration, database management, and deployment. <https://whiskaway.food>
- **ToDo;** Personal project using MERN stack. Web-application that allows a user to create tasks/notes and sort them by due date. Made with JavaScript, React, Node.js, Express.js, and MongoDB.
- **Arduino Car;** Engineered a bluetooth-controlled car using Arduino, with motor control and phone integration. Demonstrated proficiency in microcontroller programming, wireless communication, and hardware interfacing.
- **Random Retail;** Team project developing a web-app similar to Craigslist, suited for posting, socializing, and shopping. Random Retail was made with Phoenix framework, alongside Elixir, Sqlite3, and TailwindCSS for styling. Nginx used for deployment. Showcases continuous integration and deployment skills. <https://randomretail.shop>
- **AI Writing Assist;** Solo project fine-tuning a LLM to mirror my own writing style. Made to communicate more efficiently in professional settings, while ensuring my writing remained authentic. Created using JavaScript, React, Node.js, Tailwind. Showcases experience in AI training and utilizing LLMs.