Dylan M. Wexler

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EXECUTIVE SUMMARY

I am a UCF Honors student pursuing a Bachelor's in Computer Science and accelerated Master's in Cyber Security and Privacy. I have experience as a Teaching Assistant for Cyber Security and AWS coursework with exposure to large projects and agile teamwork.

EDUCATION

University of Central Florida, Orlando, FL **August 2026 - May 2028**
Master of Science in Cyber Security and Privacy

University of Central Florida, Orlando, FL **August 2024 - May 2027**
Bachelor of Science in Computer Science
Cumulative GPA: 3.9

Valencia College, Orlando, FL **January 2021 - May 2025**
Associate of Science in Computer Science
Dual Enrolled from 8th grade to 12th grade.
Cumulative GPA: 3.88
Notable Classes Completed: Calculus 1-3, Differential Equations, Computer Science 1, Computer Science 2 Honors, Object Oriented Software Development, Discrete 1-2, Linux Shell Scripting, Database Management Systems, and AWS Cyber Defense Analysis.

CYBER SECURITY COMPETITIONS

1st Place — Horse Plinko Cyber Challenge 4 (HPCC4) | University of Central Florida | Orlando, FL

- Secured first place in a hands-on cyber security defense competition by identifying security issues, maintaining system functionality, completing injects, and applying defensive security techniques.
- Applied Linux and Windows administration, troubleshooting, and security best practices in a competitive environment against 35 other teams.
- As a blue team member, I secured a MySQL virtual box with pre-downloaded malware while also being attacked by red team.

2026 OCPS Cyber Challenge | Orlando, FL

- Competed in the ninth annual Orange County Public Schools Cybersecurity Challenge, a CTF-style event run with the University of Central Florida, Hack@UCF, and Orange County Government, where college students solve hands-on cybersecurity problems based on real-world scenarios.
- Completed multiple security challenges in various categories such as networking, cryptography, forensics, and web security. I applied Wireshark, Linux command line, and Bash tools to analyze problems and capture flags under time pressure.

WORK EXPERIENCE & PROJECTS

Senior Design I, UCF **September 2026 - Present**
Backend & Cybersecurity Engineer - **U.S. Army Reserve Mercury Administrative Platform**

- Hardening backend infrastructure and security posture for a production mobile/web platform serving thousands of Army Reservists nationwide, transitioning legacy paper-based workflows into a secure digital platform.
- Implementing multi-factor authentication (MFA) and identity controls to safeguard sensitive military personnel, pay, and more.
- Executing security compliance upgrades aligned with federal and DoD Authority to Operate (ATO) authorization requirements in direct coordination with defense stakeholders.

UCF, Orlando, FL **August 2026 - Present**
Teaching Assistant for CIS 4940C (Topics in Cyber Security) and CNT 4425C (Cloud Computing Management)

- I supported instruction and student learning across core cybersecurity and cloud computing topics, including identity and access management, network security, encryption, secure cloud storage, and cloud security monitoring and incident response.
- My responsibilities included assisting with assignment questions and lab simulations of system penetration and network defense techniques. I helped students work through cloud architecture and scalable systems design concepts, and providing guidance on assignments and coursework. I worked closely with students to reinforce practical, real-world applications of cybersecurity and cloud management principles taught in the lecture.

Graduate Software Engineering (CEN 5016), UCF **August 2026 - December 2026**
Feature development and enhancements, **Cal.diy**

- My team and I joined a mature, open-source TypeScript codebase and delivered new features in a course fork of the repository, following the project's existing conventions. I developed TypeScript code to improve the appointment column grouping page, building time-based columns that categorize bookings by date and place each booking in the appropriate column (TypeScript, Cal.diy).
- I also wrote end-to-end tests to verify the grouping behavior and improved the page's UI layout for easier scanning of bookings (Playwright). Managed work in Jira with user stories and two-week sprints, and participated in Agile ceremonies on a four person team (Jira, Agile/Scrum, Git).

Object Oriented Software Development (COP 4331C), UCF **June 2026 - July 2026**
Macro and Calorie Tracker web and mobile application, **MacroVanta**

- My team and I developed a full-stack nutrition tracking application that uses AI to parse natural-language meal descriptions into structured, editable food log entries. Integrated USDA backed food data for accurate macro and micronutrient tracking across thirteen nutrients, alongside wellness features for water intake, sleep, and cardio activity (React, TypeScript, Node.js, Express.js, MongoDB, Jest).
- We also built a live search architecture with all queries routed through a backend API for real-time, accurate results, plus history views with daily totals, per-meal grouping, and weekly summaries. Designed a 508 accessible UI with light/dark theme support using Figma.

Object Oriented Software Development (COP 4331C), UCF **May 2026 - June 2026**

Contact Manager application, **Contact Central**

- My team and I built a web-based contact management system using the LAMP stack (Linux, Apache, MySQL, PHP) with a remote MySQL database and JSON-based API communication. (SwaggerHub, Figma, Bootstrap, Jira).
- We implemented user registration and authentication, allowing users to securely create accounts and log in. Developed full CRUD functionality, enabling users to add, search, edit, and delete personal contacts through a responsive web interface.

SKILLS

Computer Skills: Microsoft Office, Wireshark, VirtualBox, Android Studio, AWS, GIT, Jira, UML, and the SDLC.
Certifications: AWS Academy Graduate – Cloud Security Foundations.
Languages and Frameworks: Binary, Java, C, Linux, Bash, MySQL, SQL, MongoDB, React, Express.js, Node.js, and Angular.

AWARDS & RECOGNITION

- NSF CyberAICorps Scholarship for Service (CyberAI SFS) Recipient. A competitive federal award for AI enabled Cybersecurity study, with a post-graduation federal service commitment.
- UCF Burnett Honors College Scholar.
- Presidents Honor Roll and Dean's List at UCF.
- Member of Tau Beta Pi (First Engineering Honor Society in the U.S.).
- President of Valencia College Math Club.
- Seneff Honors Scholar at Valencia College.
- Member of Phi Theta Kappa Honor Society.
- High School Valedictorian with 5.5 GPA.