

Alexa Wenger

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EDUCATION

Liberty University: B.S. Software Engineering, B.S. Data Science, Mathematics Minor Lynchburg, VA

**Liberty University is accredited by the Computing Accreditation Commission of ABET* August 2022 - May 2026

- 4.0 GPA, Honors Program, Dean's List
- Competitive Programming Club (Outreach Officer), AI Club, Academic Tutor
- Division I Athlete: Liberty Track and Field

Warwick High School

Lititz, PA

High School Diploma

September 2018 - June 2022

- Valedictorian | GPA: 4.56 Weighted, 4.0 Unweighted
- 1560 SAT, National Merit Finalist (Top .001% of PSAT scores, nationally), AP Scholar
- Student Council President, 6x Track and Cross-Country Varsity Captain, Student Advisory Board member

EXPERIENCE

Junior Software Engineer

Summer 2024

Clark Associates: WebstaurantStore

Lititz, PA

- Released 12 large full-stack features for *WebstaurantStore.com*, improving customer experience and satisfaction
- Led cross-functional collaboration with Business Analysts and Product Owners to translate business needs into technical specifications and actionable tasks
- Reviewed and optimized developers' code contributions, ensuring adherence to design principles and best practices
- Contributed to Agile Kanban ceremonies, improving team efficiency and workflow through effective communication

Software Engineering Intern

Summer 2023

Clark Associates: WebstaurantStore

Lititz, PA

- Independently developed and deployed 18 feature releases and bug fixes for customer-facing e-commerce site *WebstaurantStore.com*, which serves millions of users and generates billions in revenue each year
- Gained proficiency in full-stack enterprise development, utilizing C#, .NET, React.js, and TypeScript
- Thoroughly tested code with automated and manual tests, abiding by test-driven development principles
- Maintained team workflows and effective source control using SCRUM methodologies, Azure DevOps, and Git

PROJECTS

The Matrix | *A workout-tracking web-app designed for runners and coaches*

May 2024

- Designed and implemented a scalable SQL database to support an efficient full-stack web application
- Built a robust backend server with Node.js and Express.js, creating RESTful API endpoints for managing workout entries and data aggregation
- Developed a dynamic UI using React, enabling runners and coaches to seamlessly log and view workout data
- Defended research, tech stack, completed web app, and future development opportunities to CS faculty and peers

LEADERSHIP AND SERVICE

Outreach Officer | *Liberty University Competitive Programming Club*

May 2023 - Present

- Increased club membership by 415% within one year through targeted recruitment and effective club management
- Collaborated with club officers to develop and deliver weekly lessons on Data Structures and Algorithms
- Earned top 5 rankings in multiple competitive programming competitions, including ICPC Mid-Atlantic Regional

NCAA Academic Tutor | *Liberty University Academic Affairs for Athletics*

August 2024 - Present

- Provided one-on-one academic support in computer science and mathematics to Division 1 athletes
- Developed tailored tutoring plans to meet individual student-athlete needs, documenting and communicating progress with athletes, professors, academic advisors, and coaching staff

TECHNICAL SKILLS

Languages: C++, C#, SQL, JavaScript, TypeScript, Python, R, HTML/CSS, PHP

Frameworks and Libraries: ASP.NET, React.js, Node.js (Express), REST API, Pandas, Matplotlib, SciKit-Learn

Tools and Technologies: Azure DevOps, Git, Docker, Microsoft SQL Server, VSCode, Visual Studio, Sentry, XAMPP

Software Development: Agile (SCRUM and Kanban), Continuous Integration/Deployment, Test-Driven Development