

Serena Mower

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EDUCATION

Worcester Polytechnic Institute — Worcester, MA | August 2020 – May 2024

Bachelor of Science, Computer Science | Minor in Creative Writing

GPA: 3.8 | High Distinction

TECHNICAL SKILLS

Business Systems: ERP integrations, Enterprise application development, Technical documentation, Production support, Agile/Scrum, Lean

Languages: JavaScript, TypeScript, C#, Python, SQL, HTML, CSS

Frameworks & Libraries: React, Node.js, ASP.NET MVC, Tailwind CSS, Bootstrap

Cloud & Infrastructure: AWS, PostgreSQL, SQL Server

Developer Tools: Git, GitHub, Bitbucket, Jenkins, Postman, Figma

APIs & Services: REST APIs, OpenAI API, Stripe, Clerk Authentication, HubSpot CRM

PROFESSIONAL EXPERIENCE

Software Developer | HEVA Partners | Gorham, ME | June 2025 – April 2026

- Built a production-ready, mobile-friendly full-stack web application for an AI-powered wellness platform using TypeScript React, Node.js, PostgreSQL, and Tailwind CSS.
 - Collaborated directly with business stakeholders to gather requirements, translate business needs into technical solutions, and deliver scalable application enhancements.
 - Designed configurable administrative tools allowing non-technical staff to manage AI prompts, notification templates, and application settings without developer intervention.
 - Integrated OpenAI APIs, Clerk authentication, Stripe payments, and HubSpot CRM into a unified application architecture.
 - Authored technical documentation covering application architecture, deployment, and future development to support long-term maintainability.
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IT Systems Developer | Enercon Technologies | Gray, ME | April 2024 – May 2025

- Designed and developed enterprise web applications using ASP.NET MVC and SQL Server supporting manufacturing operations and business processes across multiple departments.
 - Built front-end and back-end functionality across five production applications used by multiple business departments.
 - Developed middleware supporting data flow between legacy and modern ERP systems during a company-wide enterprise modernization initiative, ensuring reliable business process continuity.
 - Partnered with business stakeholders, engineering teams, and IT to gather requirements, perform functional analysis, design solutions, and deliver enhancements aligned with operational needs.
 - Created application wireframes and technical documentation to improve project planning and long-term maintenance.
 - Provided production support, troubleshooting, testing, and issue resolution for enterprise applications, performing root-cause analysis to improve system reliability.
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IT Quality Engineering Intern | IDEXX Laboratories | Westbrook, ME | May 2021 – October 2022

- Supported data engineering teams following Agile development practices and sprint planning.
- Developed onboarding materials and documentation for Software Engineers in Test.
- Contributed to process improvements and automated workflows.
- Worked with AWS cloud services, Snowflake, Python, Datadog, and GitHub in enterprise software environments.

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