

Henrik Wiener

Software Engineer

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Summary

Microsoft-trained Full-Stack Software Engineer with 3 years of working with .NET, C#, Java, JavaScript, HTML, CSS, SQL/T-SQL/SQL Plus, Python, and Linux. Experienced with console, front-end, back-end, & web applications including technologies such as React and multithreading. 140 credit hours toward Bachelor of Science in software engineering. U.S. Marine Corps veteran.

Skills

Programming Languages: Python, C#, HTML5, CSS, Java, JavaScript (React, Node, Puppeteer)

Technical Skills: Python Libraries(NumPy, Matplotlib, PyGTK), MATLAB, Linux, Version Control(Git, GitLab, CI/CD), Agile/Scrum, Visual Studio, VSCode, Testing, Optimization, Multithreaded Programming, Cloud(Azure), .NET Frameworks(Entity Framework, .NET Web API, LINQ, .NET MAUI, ASP.NET Core, ASP.NET MVC), REST, HTTP, Postman, SQL(SQL Plus, T-SQL, SQL Server, SSMS), JavaFX, CSS Frameworks(Bootstrap, Font Awesome)

Soft Skills and Attributes: Community Outreach Leadership, Team Leadership, Growth mindset, Collaboration, Innovation, Accountability, Respect, Integrity

Work experience

Infinity Systems Engineering

February 2023 - Present

Software Engineer, Co-Chair, Community Outreach Board

- Modernized MATLAB GUI applications and scripts by migrating them to Python, leveraging PyGTK, NumPy, and Matplotlib.
- Improved performance of applications by optimizing (by 97% in one case!).
- Implemented clean code practices and thorough unit testing for enhanced reliability.
- Added API documentation to website using ASP.NET MVC and HTML5.
- Coordinated community outreach efforts and established partnerships with Ronald McDonald House Charities.

Microsoft Software and Systems Academy (MSSA)

October 2022 - February 2023

Cloud Application Development Student

- Developed a .NET MAUI fantasy football app featuring custom web API authentication and real-time updates via Azure-connected database, achieving global accessibility upon launch.
- Optimized runtime performance by 85% through experimentation with .NET Tasks and multithreading techniques.
- Designed and implemented a dynamic Node.js/Puppeteer.js app to autonomously crack changing 4-digit PINs on [<https://www.guessthepin.com/>].
- Crafted an interactive React.js portfolio site, featuring React Components, React States, Neumorphic Designs, React-Icons, HTML5, CSS/Bootstrap, and dynamic animations. [<https://www.henrikwiener.com/>].
- Founded and recruited over 50% of MSSA members to a Discord server, fostering a community for honing technical skills in data structures and algorithms, and collaborating on .NET framework projects.
- Mentored 7 peers, elevating their data structures, algorithms, and software engineering proficiency, earning the moniker "L33tCodeActual" for leadership and dedication.

Certifications

- Microsoft Azure Fundamentals (AZ-900)
- CompTIA Sec+
- Pearson Vue Software Development Fundamentals

Education

Western Governor's University

- 2025

Bachelor of Science: Software Engineering

Anticipated graduation, June 2025.