Tyler Rottmann

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Personal Website: https://tylerrottmann.github.io/PersonalPortfolio

EDUCATION

University of Wisconsin - Milwaukee - Class of 2027   Milwaukee, WI

Major**:** BS in Computer Science   Minor: Information Technology

GPA**:** 3.95

PROFESSIONAL EXPERIENCE

Software Engineering Intern - *Web Surfing Studios*   June 2025-Present

- Built ASP.NET MVC C# full-stack application which connects volunteers with non-profit organizations in their area every week.
- Utilized Entity Framework & migrations to manage remote AWS RDS MySQL instances.
- Constructed CI & CD Azure DevOps pipelines which connected Git to AWS Elastic Beanstalk applications through Dev, Test, and Prod environments.
- Moved website image & file storage from local AppData folder to AWS S3 buckets to allow the website to horizontally scale as needed.

Software Development Intern - *CharityEZ*   July 2024-May 2025

- Designed, developed, and tested features for a high-performance search engine enabling companies to efficiently locate and evaluate charities and nonprofits.
- Collaborated with the development team to implement front-end and back-end solutions using JavaScript, HTML, CSS, PHP, and MySQL.
- Applied software development best practices, including debugging, code optimization, and database query tuning, to enhance system performance and reliability.

SKILLS

- Languages: C# / .NET, Java, Python, HTML, CSS, JavaScript
- Frameworks: ASP.NET MVC, Bootstrap, Tailwind, Django
- Version Control Systems: Git, GitHub
- Databases: Microsoft SQL, MySQL, PostgreSQL, NoSQL, MongoDB
- Agile Methodology & Azure DevOps
- CI/CD: DevOps Build & Release Pipelines
- Misc: Entity Framework, WordPress, Blender, AutoCAD, Adobe Photoshop
- AWS: RDS, S3, Elastic Beanstalk, AppConfig, Secrets Manager, Lambda

AWARDS/HONORS

- UW Milwaukee Dean's List
- AP Scholar with Honor Award
- Congressional Award - Bronze Medal
- 200 Registered Volunteer Hours