

Sidney Raabe

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Education

B.A. in Computer Science | Kent State University May 2024
GPA: 3.86

.NET/C# Web Development Bootcamp | The Software Guild January 2022

Experience

Software Developer | Seifert Technologies May 2024 – present

- Engineered a zone management interface to a real-time fleet tracking application utilizing MapBox API, allowing companies to plot geographic areas and view real-time vehicle data.
- Developed a reusable Azure Key Vault configuration library for .NET Core applications that streamlined secret management across multiple environments, reducing developer overhead when configuring project secrets.
- Enhanced database retrieval by refactoring raw SQL queries using Entity Framework context methods, strengthening data sanitization, optimizing collections with LINQ, and increasing application maintainability.
- Led a comprehensive responsive redesign of a desktop application, designed a collapsible sidebar for mobile viewports, leveraged Bootstrap components, and eliminated page reloading through jQuery and AJAX calls.

IT Student Application Developer | Kent State University October 2022 – August 2023

- Supported the Kent State IT development team to maintain over 200 internal web applications.
- Modernized outdated applications in OutSystems low-code platform to support mobile devices.
- Uncovered numerous previously undetected bugs through comprehensive manual functional testing.

Web Developer Intern | Kent State University College of Arts and Sciences September 2022 – May 2024

- Collaborated with college directors to create engaging university webpages using Drupal CMS.
- Improved mobile viewing across university webpages through custom CSS3 and JavaScript site modifications.
- Ensured webpages complied with WCAG 2.0 Level AA accessibility standards by leveraging SiteImprove reports.

Projects

Cinder Dating Web Application | MySQL, Flask August 2023

<https://github.com/rsmith531/dating-database>

- Developed core application features, including user registration and profile management pages.
- Designed database schema and implemented stored procedures to efficiently handle data.

RTCL PDF Summarization Tool | Python October 2022

<https://github.com/KHE-NLP/Easy-Research>

- Built web interface, wrote Regex queries, and provided training data to improve summarization accuracy.
- Awarded “1st Place Hack” and “Best Use of Cohere NLP” awards in the 2022 MLH Kent Hack Enough Hackathon.

Skills

C#, C++, JavaScript, SQL, ASP.NET Core MVC, Entity Framework, LINQ, NUnit, Git, HTML, CSS

Activities

HackSU Coding Club Leader | Kent State University October 2023 – May 2024

- Assisted weekly technical workshops and instructed a lesson on Chrome extension development.
- Helped organize and run the 2024 Kent Hack Enough 24-hour hackathon.