

Sidney Raabe

Software Developer

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Kent, OH

Portfolio: <https://sidneyraabe.github.io/>

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Work Experience

IT Student Application Developer – Kent State University

October 2022 –

Kent, OH

- Gained hands-on experience and knowledge of the development lifecycle through work in OutSystems low-code platform, including design, development, testing, and deployment
- By contributing to the formation of new features and modification of existing ones, gained a solid foundation of accessibility standards and best practices for creating high-performing user-friendly applications for a large user base
- Demonstrated strong attention to detail and skill in manual testing, leading to the discovery and resolution of previously undetected bugs in established applications

.NET/C# Apprentice – The Software Guild

October 2020 – January 2022

Remote

- Completed 720 hours of coursework, earning a full stack web development certification to display proficiency in a range of technologies including SQL, C#, and .NET Framework
- Engineered solutions for a variety of real-world applications in a project-based learning environment, gaining practical experience with both back-end and front-end development
- Through 1-on-1 code reviews, discussed code implementation and programming concepts on a detailed and technical level

Projects

Vehicle Dealership – <https://github.com/sidneyraabe/projectSamples>

November 2021 – January 2022

The Software Guild

- Developed a web app for a vehicle dealership's retail inventory system. Duties included:
 - Drafting and designing database schema and a SQL database to store inventory, user information, and form data
 - Building an ASP.NET MVC server back-end to handle server-side logic, including database interactions and data validation, and a first-party Web API to provide inventory data access to the front-end
 - Creating a web interface allowing customers to browse vehicle inventory by querying price range or keyword, view vehicle detail pages, and send requests for more information, and for employees to submit purchase forms and view sales reports
- Conducted extensive unit testing using NUnit to verify accuracy of database queries and business logic of the application throughout development
- Implemented stored procedures with ADO.NET SQL parameters to secure data from SQL injection attacks

Five Dice Game – <https://github.com/sidneyraabe/FiveDiceGame>

October 2020

Personal

- Created a Yahtzee clone as a personal project to demonstrate a visually appealing console game in C#
- Designed an interface that incorporated cursor positioning functions and pipe characters to display 2d dice models and a column formatted scoresheet

Education & Activities

Kent State University – Bachelor of Arts in Computer Science

August 2022 –

Kent, OH

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| • CSIA – C++ Procedural Programming | • Discrete Structures (Spring 2023) |
| • CSIB – C++ Object Oriented Programming | • Computer Organization (Spring 2023) |
| • CSII – Data Structures and Abstraction (Spring 2023) | • User Experience Design (Spring 2023) |

The Software Guild – Web Developer Bootcamp: C#/.NET

October 2020 – January 2022

Remote

HackSU Coding Club

August 2022 –

Kent State University

MLH Kent Hack Enough 2022 Hackathon – 1st Place Hack and Best Use of NLP with Cohere

October 15 – October 16, 2022

Kent State University

Skills

C++, C#, ASP.NET MVC, N-Tier Architecture, Web API, Dependency Injection, ADO.NET, Test-Driven Development, Git