

Zachary G. Williams

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Skills

Proficient: C#, Angular, TypeScript, JavaScript, SQL, HTML, CSS, Microsoft SQL Server

Familiar: Unity, Python, Microsoft .NET, MVC Design, Git

Professional Experience

Tech Wizards Inc, King George, VA

Software Engineer - Unity Developer

October 2023-Present

- Designed and developed game components to emulate their real world function for a virtual training manager utilizing Unity and C#.
- Collaborated with other software engineers in daily meetings to discuss build features, creative problem solving, and improve the development process for the team.
- Completed C# code reviews for Unity projects focusing on improving functionality, readability, and to ensure adherence to company's coding best practices.

Software Engineer - Web Development

October 2019-Present

- Designed and developed an Angular application to facilitate the invoicing and contract management process, which was done previously manually in Excel, resulting in a reduction of time and labor and ease of reporting and viewing the data for the end users.
- Designed an algorithm to parse and upload data from an Excel file, verify content validity, and create entries into the database to create accurate invoices.
- Designed and maintained a SQL database utilizing common table expressions, stored procedures, and functions.
- Consulted in bi-weekly meetings with end users and project managers to expand scope of the application, enhance the users' experience, and to identify areas for improvement within the program.

Projects

Personal Website

- Designed a personal website with HTML, CSS, and JavaScript to display front-end development experience, to provide information about myself, and provide access to my LinkedIn and GitHub repository.

Debt Interest Calculator

- Designed and implemented a Python program to take user input and calculate the amount of interest paid, total payments amount, and estimated payoff date using two common payoff methods (High Interest First vs Highest Monthly Payment First).

Education

Bachelor of Science, Computer Science

Oregon State University, Corvallis, OR

Sept 2018-May 2020

- Relevant Coursework: Web Development, Analysis of Algorithms, Data Structures, Relational Databases

Bachelor of Science, Nutrition Science

North Carolina State University, Raleigh, NC

Sept 2013-May 2016