

Zach Carroll

Software Developer

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Resume Website:

<https://zachcarroll.me>

Projects:

<https://projects.zachcarroll.me>

LinkedIn:

<http://linkedin.com/in/zach-carroll-007522158>

About:

My name is Zach Carroll. I am a Computer Science Graduate from Muskingum University and I am actively working within the Computer Science Industry. I've been intrigued with Website/Software Development ever since a young age. I continuously strive to learn new Programming Technologies and stay up to date with the newest trends.

Programming Languages:

C#, PHP, Java, MySQL / SQL, XAML, HTML, ASP.NET, CSS (Bootstrap), & JavaScript, Angular (TypeScript)

Architecture Styling:

Reactive UI, LINQ, Object Oriented Programming, Polymorphism, Inheritance, Database Diagramming, State Machine, Unit Testing, & GIT

Experience:

Bureau of the Fiscal Service (Parkersburg,WV) - IT Specialist

May 2021 - Present

Full Stack Developer Position (Angular (TypeScript), Bootstrap, Java Spring Boot, SQL). A part of development teams covering the entire Software Development cycle. A part of Azure Support team, resolving security issues, Azure sandbox setups & Azure Group permission assignments.

MedOne Systems, LLC (Marietta,OH) - Software Developer

June 2019 - May 2021

.Net Full Stack Developer Position, helping develop a custom EHR System using Windows UWP, XAML, C#, ReactiveUI, Asynchronous Programming, LINQ & SQL Server. Daily standup meetings w/developers & product owners using Azure DevOps to discuss SCRUM workflow. Customer Support helping resolve Support Tickets & Troubleshoot day to day IT Hardware, Security, Software & Data Related Problems w/Zendesk.

Logistic Flight, LLC (Marietta,OH) - Web Developer Intern

Aug. 2018 - May 2019

Custom Website Development for Aviation Management Company using HTML, CSS (Bootstrap), PHP & JavaScript. Maintained Inventory using MySQL Database, Maintained Website Security by acknowledging IT Security Weaknesses & Implementing Solutions To Prevent Such via Proper Network Protocols, SSLs, SQL Injection & Session Hijacking Protection. Utilized Cloudflare to Redirect All Traffic through their Domain to Provide Additional Traffic Security & Efficient Traffic Load Balancing. Utilized Twilio's SendGrid API & Google Sheets API to automate customer contact submissions & provide various views of client data information.

Magnum Magnetics (Marietta,OH) - Programmer Analyst Intern

May. 2018 - Aug. 2019

.Net Full Stack Internship, Programmed w/ASP.Net, VB.Net, SQL, CSS, and JavaScript(jQuery). Created Web Driven API Projects, Database Management Web pages, developed UI/UX wireframes, Web Graphics w/Adobe Photoshop, and a New Sales Order Entry system. Participated in Weekly Meetings to Discuss Software Development progress & any new IT Security related concerns. Provided Customer Support to Employees to help maintain & help resolve any problems affecting their workflows. Helped install/administer/troubleshoot IT equipment & Windows OS

(Operating System) to employees & their computers.

Education:

Muskingum University (New Concord,OH) - 2015-2019

Bachelor Of Science, Computer Science

Member of Muskingum Football & Muskingum Basketball Teams. Treasurer, Social Media Chair & Web Developer for M.A.C.E. Fraternity. Member of Lambda Sigma (Honorary Academic Organization).

Courses Included: Algorithm Analysis, Mobile Application Development, Web Application Development / Database Management Systems, Systems Programming, Software Engineering, Operating Systems & Computer Networks

Parkersburg High School (Parkersburg,WV) - 2011-2012

High School Diploma

Member of Parkersburg Football & Basketball Teams

Projects:

Web API's Applications -

Created multiple API Applications for my Internship w/Magnum Magnetics. Created a Weather Based API Web Page/Widget, displaying the current weather forecast and the future weekly forecast. Created an Email Validation API Application/Widget, returning back whether the inputted email was valid or not.

Campus Tour Augmented Reality Application -

Created an application in my Augmented Reality class within the CS curriculum at Muskingum University. The application was used for campus tours, it utilized & recognized different images on campus and returned more information to the user using the application. Such as which departments are in which buildings on campus and more related information about those departments. We used Visual Studio and Unity to develop this program.

Client/Server Networking App. "Rock,Paper,Scissors" Game -

Application created within CS curriculum as well. Requires 2 Clients to play simple game of Rock, Paper or Scissors. Learned the process of handling network sockets, differentiating network port numbers, processing user input from multiple clients over the network & implementing game logic determining the winner based upon clients' input.

Software Engineering Senior Team Project -

Worked with a team of students to analyze requirements, participate in code reviews, working in an agile environment to produce a full fledged production ready web application for a Local Non-Profit Organization. Our application served as a Networking Platform to connect volunteers & recovering drug addicts in a Mentoring Program. We developed an algorithm to match our users based upon location & similar interests.