Zach McLean

Nashville TN, 37135

(615) 829-3629 – Computer Science Student – zachmclean77@gmail.com

LinkedIn | Github | Portfolio

Profile

Current student at Middle Tennessee State University majoring in Computer Science with a minor in Mathematics and expected graduation date of May 2023. Seeking an entry level software engineering position in which I may use the fundamental knowledge of computer theory, software design, development, and testing to build complex software solutions. Successful team player in creating mobile and web applications. Excellent analytical, technical, and programming skills.

Technical Skills	C/C++/C#, Python, Java, Unix/Linux, Web Frameworks, JavaScript, SQL Server
Cs Classes	Data Structures & Algorithms; Computer Systems, Intro to A.I., Computer Graphics, Software Engineering
Math Classes	Discrete Structures, Numerical Analysis, Calculus 1, 2, & 3, Linear Algebra, Applied Statistics
Interests	Music/Audio Production, Guitar, Photography, Design, Video Games, Competitive Gymnastics

Work Experience

Info-Works Consulting Firm

Software Engineer Intern   Nashville, TN (May 2021 – August 2021)

- Used React & Angular to develop, maintain, and update the Frontend Apps of the internal SDK that is re-used as the base app for all their future projects.
- Used C# ASP.NET Core to create API endpoints and maintain the Backend of Info-Works SDK as well as create and update SQL Server databases

Target

April 2022 - Present   Smyrna, TN (April 2022 – Present)

- Working as a Fulfillment Associate who shops the store for items ordered by online customers.

Personal and School Projects

Klustr | Data Clustering Web App | Vanderbilt School of Engineering   (Fall 2022)

- Used React and Django to create a full stack application which takes csv data from the user and clusters the data based on multiple fields from an HTML form.
- Once the data is clustered, it is then displayed in a table with other information specified within the input form.
- This app was created for the Vanderbilt School of Engineering who are developing software to help autistic kids focus better during their learning time.

Garbo | Class Project   (Fall 2021)

- Garbo is a Java-Android app which allows the user to locate the nearest trashcan on the MTSU Campus.
- Users who download the app use a map generated by the google maps API to see pre-located trashcans on the map and can also add trashcans they find around campus to the app.

Developer Portfolio | Personal Project   (Nov-Dec 2022)

- My Developer Portfolio-designed and coded from scratch to display all my personal and school Projects as well as highlight my skills in 3D Graphics, Frontend design, and Backend development.

Education

Middle Tennessee State University | Bachelor of Science   Murfreesboro, TN (Jan 2021–May 2023)

- ABET-accredited degree
- Computer Science Major
- Mathematics Minor

Columbia State Community College   Franklin, TN (Aug 2018– Dec 2020)

- Computer Science Major | Transfer Student
- Honors: Dean's Honors List