

William Simmons

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Technical Experience (Projects)

Pet Store – School/Ongoing

- Developed a **REST API** to pull data from **Express.js** backend
- Developed a **React** front end to display data called from above API Utilizing **Bootstrap**
- Utilized **Redux** to gather Metrics about website
- Team Based Utilizing **Scrum** methodologies and **Agile** philosophies

Processor Pipeline Simulation – School Team Based Utilized **C#**

- Led Development of our own Instruction Set Architecture, allowed for Read and Writes, Conditional and Logical Operations, as well as Branching.
- Led Development of Dynamic Pipeline, Simulated Von Neumann Execution.
- Led Development of Simulated L1 Cache, developed this cache with a write through policy to 20Mb of main memory. This Cache fed our dynamic pipeline.

ScanvengRUS – School Team Based

- Developed a webapp that allowed for a scavenger hunt Utilizing **Blazor** and **ASP.NET**
- Allowed users to scan a QR CODE then update their progress on the Web App
- Developed a database to hold QR codes and player Data utilizing **MySQL**

Education

East Tennessee State University B.S. in Computer Science

Dec 2022

- Course Work: Software Engineering 1 & 2, Algorithms, Data Structures, Database, Web Development, Operating Systems, Computer Architecture, Information Security and Assurance

Languages and Technologies (Skills)

- Languages: JavaScript, C, C#, SQL, HTML, CSS
- Frameworks: React, Redux, Express.js, Node.js, Bootstrap
- Soft Skills: Problem Solving, Adaptability, Accountability, Time Management, Communication, Customer Service
- IDEs/Version Control: Visual Studio, VS Code, MYSQL Workbench, Git, GitHub, Bitbucket

Employment

Jersey Mikes – Shift Leader

September 2017 -Current

- Led the team to a **150% increase** in sales during my time as a Shift Leader.
- Managed 4-5 Person team in fast paced, customer-oriented work environment.