Ethan Alvi

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Skills

- C++, C#, Java, Python, HTML, CSS, JavaScript, SQL
- Visual Studio Enterprise, VS Code, Node.js, MySQL, Git, Command Line, Anaconda, MySQL Workbench, Wireshark, Trello, Jira
- Software Engineering, Source Control, Full Stack Web Development, Database Design, Agile Project Management, Test-Driven Development, Computer Networks

Experience

WEB DEVELOPMENT INTERN | SAVE THE DAY SEASONINGS | MARCH 2023 – CURRENT

- Established GitHub Repo and Trello Board for the development of the company's Backoffice site
- Queried data from Dropbox, Shopify, and Affiliate Pro for dashboard display
- Implemented SQLite user authentication with hashed passwords to protect customer data
- Created an error report system embedded in the site that sends automatic notification emails

Projects

CHAT SERVER (C++)

- Console application to handle TCP communication of connected clients with built in command features
- Implemented status checking of each socket to avoid blocking and deadlock situations
- Included a 1-byte header in each buffer sent with the message length to facilitate reading from the network stream

WHY APP (React)

- Social media site for asking and answering 'why' questions in a post-comment format
- Implemented MySQL database and normalized database design up to third normal form
- Integrated Google Authentication for user sign-in to associate data with their account
- Conducted think-aloud tests to improve user flows and design details of the webpage

CALCULATOR (C++)

- Application made with wxWidgets multiplatform library
- Implemented Shunting Yard algorithm for order of operations calculation
- Ensured proper handling of edge cases with multiple user tests

Education

FULL SAIL UNIVERSITY | GRADUATE ON NOVEMBER 1, 2024

- Computer Science Major
- Member of the National Society of Collegiate Scholars