Bennett Zink

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EDUCATION

University of Michigan - Ann Arbor, MI   Expected Graduation: May 2025
B.S.E in Computer Science, Entrepreneurship (Minor)

Relevant Coursework: Algorithms and Data Structures, Computer Organization, Foundations of Computer Science, Statistics and Data Analysis, Discrete Mathematics, Linear Algebra, Multivariable Calculus, XR Development

EXPERIENCE / PROJECTS

Meta Front-End Developer Course   *May 2023 - July 2023*

- Developed a strong foundation in HTML, CSS, and JavaScript, mastering the core front-end languages and their usage in web development
- Acquired hands-on experience using front-end libraries and frameworks such as React by creating a dynamic single-page website for a fictional restaurant as a capstone project
- Gained practical experience implementing user interface design with attention to usability and accessibility standards
- Developed a comprehensive understanding of industry-standard best practices in areas such as project management, testing, and quality assurance

Personal Website   *July 2023*

- Designed and developed a personal portfolio website using HTML, CSS, and JavaScript, showcasing my technical skills in web development
- Utilized JavaScript to add interactive elements and dynamic content, such as a light dark theme toggle, to elevate the website's interactivity and engagement for visitors
- Integrated third-party libraries and APIs to add functionality such as a contact form to make it easier for visitors to reach out and connect with me

Custom SQL   *February 2023*

- Developed a custom SQL-based database management system in C++, enabling efficient data handling and manipulation through terminal commands
- Utilized hash tables to optimize data retrieval and to enable flexible sorting and filtering, resulting in faster query execution and improved performance
- Implemented essential SQL functionalities, including Create, Insert, Join, Remove, Print, and Create Index with command-line options for extra functionality such as sorting
- Created a user friendly command line interface with clear instructions, feedback, and error checking

Machine Learning Model   *November 2022*

- Developed a language model to identify labels for posts on a Piazza forum using natural language processing and machine learning techniques
- Utilized a custom binary search tree structure to efficiently store and manage the text data
- Implemented the bag of words model and utilized Naive Bayes classifiers to accurately label posts

SKILLS

- **Languages:** C++, C, Python, HTML, CSS, JavaScript, React.js, Bootstrap, Assembly, Java, MATLAB, R
- **Software:** Excel, Figma, Illustrator, Photoshop, Unity, Unreal Engine, Blender, 3D Studio Max
- **Certifications:** Meta Front-End Developer Professional Certificate