David Williams

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PROFESSIONAL SUMMARY

Motivated computer science student with a solid academic foundation and a strong eagerness to learn. Currently focused on deepening expertise in web development through JavaScript and frameworks like Next.js. Possesses a comprehensive understanding of Java and has successfully applied Python in various projects. Actively seeking opportunities to leverage technical skills and academic insights to contribute to impactful initiatives. Brings a balanced perspective shaped by interests in physical fitness, including jiu-jitsu, which cultivates teamwork and resilience.

EDUCATION

Eastern Michigan University   Ypsilanti, MI
Bachelor of Science in Computer Science (Applied) — GPA: 4.0   *Jan. 2024 – May 2025*

Schoolcraft College   Livonia, MI
Associate's in Programming — GPA: 3.9+   *Jan. 2023 – Dec. 2023*

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, HTML/CSS
Frameworks: React, Node.js, Next.js, Tailwind, Flask
Developer Tools: Git, GitHub

PROJECTS

Portfolio Site | *Javascript, HTML/CSS*
- Developed a comprehensive portfolio website showcasing my resume, project details, and contact information.
- Designed and built the site using vanilla HTML, CSS, and JavaScript to ensure full control over functionality and aesthetics.
- Leveraged GitHub for version control, project management, and hosting.
- Implemented responsive design techniques, optimizing the site for seamless usability across various screen sizes and devices.

AI Item Recommendations | *Flask/Python, Javascript, HTML/CSS, Git (WIP)*
- Led a team in the development of a web application using Flask to provide personalized purchase recommendations based on market basket analysis, with full responsibility for the backend implementation.
- Implemented data preprocessing techniques, including one-hot encoding and data aggregation, to prepare a grocery dataset for analysis.
- Utilized the Apriori algorithm and association rule mining to generate insights allowing us to improve recommendation accuracy based on user inputs.
- Modified and enhanced dataset in Excel using scripts, implementing a tagging system to test and evaluate potential improvements in data quality.

Card Game Site | *Javascript, HTML/CSS, Tailwind*

- Developed an interactive card game application using JavaScript, HTML, and Tailwind CSS, focusing on a dynamic Blackjack game that engages users with real-time gameplay.
- Designed and implemented the entire game logic, including card shuffling, dealing, and win/loss determination, ensuring a seamless gaming experience.
- Built to be scalable and reusable to facilitate the development of additional card games on the same platform, laying the groundwork for future projects such as Euchre and Poker.

EXPERIENCE

Server/Bartender   Apr. 2021 – Oct. 2024
Blackrock Bar & Grill   *Woodhaven, MI*
- Developed strong communication and interpersonal skills by effectively interacting with customers and coworkers, enhancing teamwork and collaboration in a fast-paced environment.
- Managed multiple tasks simultaneously, prioritizing workload and maintaining attention to detail under pressure.