

Jack Davis

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Summary

Inquisitive undergraduate Computer Science student in the College of Language, Science, and the Arts seeking to apply newfound skills and professional experience to a full time software development position upon graduation.

Education

University of Michigan

Bachelor of Science in Computer Science

- GPA: 3.6/4.0

Ann Arbor, MI

Graduation: May 2nd, 2024

Delta College

- GPA: 3.9/4.0

Bay City, MI

Fall 2019 - Winter 2021

Upper-Level Coursework

- **EECS 485** - Web Systems (CIP)
 - **EECS 482** - Operating Systems (CIP)
 - **EECS 477** - Algorithms (CIP)
 - **EECS 481** - Software Engineering (CIP)
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Relevant Experience

Software Development Intern - Nexteer Automotive (Summer 2023)

Saginaw, MI

- Aggregated data from multiple sources, including SQL and Microsoft Dataverse, to implement 8 comprehensive and visually-appealing reports used by over 40 manufacturing departments for means of identifying inefficiencies and continuous improvement.
- Utilized Microsoft Power Platform development tools to build 5 business applications used by manufacturing departments to eliminate the paper processes of documenting manufactured parts, issues, preventative maintenance, required training, and financials resulting in increased data integrity and productivity.
- Worked in tandem with plant managers and executives to record business requirements for development of new applications and collaborated with interns and specialists to meet such requirements.
- Concisely presented and demonstrated functionality of new applications and reports to over 50 plant managers, team leaders, and operators to ensure smooth transitions and to address potential concerns.
- Recognized and awarded by leadership for ability to ingest new tools and technologies on own accord and produce quality projects and necessary debugging in a timely manner.

Personal Projects

- **Euchre** - Playable by 4 human/AI players. Optimized AI to play the best move for the given scenario.
- **Playlist Generator** - Given a ranked list of songs, shuffles songs into an optimal ordering sequence, ensuring highly ranked songs are optimally spaced throughout the playlist.

Professional Projects

- **Electronic Teamboard** - Utilized Microsoft Power Platform tools to develop a smartphone-inspired electronic alternative to physical teamboards for over 40 manufacturing departments, resulting in increased efficiency.
- **Coolant Concentrations** - Using Microsoft Power Apps, implemented a tool to view required coolant/water adds to machines and document completions, resulting in recordable completions and machine longevity.

Technical Skills

- C++, C, Python, SQL, Agile Dev Methodology, Git, O.O.P., Microsoft Power Platform
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Leadership Experience

Basketball/Volleyball Referee - Center Courts (2014 - 2020)

Saginaw, MI

- Guided inexperienced officials through hardships and instructed them on how to be a more confident referee.
- Awarded frequent recommendation for being a fair and consistent official by using active listening skills and demonstrating knowledge of the rules of the game.