

Kendall Korcek

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EDUCATION

Michigan State University, College of Engineering

Bachelor of Science, Computer Science, 3.6

Minor in Spanish Language

East Lansing, MI

September 2021 - May 2025

RELATED EXPERIENCE

NetJets Airport Capacity and Ground Space Management

Capstone Project Michigan State University

East Lansing, MI

January 2025 - April 2025

- Collaborated with a team of 6 to design and develop a web application for optimizing airport capacity and ground space management
- Architected a full-stack application utilizing AWS (Amplify, API Gateway, RDS), Node.js, React.js, and Google Maps API to achieve real-time capacity tracking, interactive visualizations, and data-driven operational recommendations
- Orchestrated integration of real-time flight data to accurately track aircraft ground positions and constructed a dynamic recommendation engine simulating airport capacity scenarios, identified potential over-capacity risks, and generated data-driven strategies for optimizing aircraft parking and rerouting at 100% capacity scenarios
- Awarded the Amazon Sigma Award for best overall capstone experience recognizing excellence across formal project planning, presentation, software, and project video

Michigan State College of Education Tech Support

Student Tech

East Lansing, MI

May 2024 - May 2025

- Evaluated and resolved first-level technical issues, troubleshooting hardware malfunctions, software bugs, and network connectivity problems, using remote desktop and desktop support, initiating contact within 24 hours to ensure minimal downtime for faculty and staff
- Configured Mac and Windows desktop computers, laptops, and peripherals by installing operating systems, setting up user profiles, and deploying essential software such as antivirus programs and productivity suites using JAMF for automated MacOS deployment and manual deployment for windows systems
- Performed system and driver updates to university devices, as well as routine maintenance including antivirus scans to ensure optimal performance, security, and reliability of college equipment

Avfuel Corporation

Seasonal Intern

Ann Arbor, MI

June 2022 - August 2023

- Furthered organization skills by creating a system for collecting employee documents and purifying data for over 400 employees for migration to a new payroll system through scanning, filing, and archiving
- Performed basic database management and updates on internal accounting and tax systems to update data for over 100,000 accounts for transfer to a new accounting system

Personal Website Project

- Developed and deployed a personal portfolio website using JavaScript and React, leveraging AWS Amplify for hosting, continuous deployment, and integration with GitHub for streamlined services

ACTIVITIES

- Freelance Photography: Produced high-resolution photos for individual clients by utilizing manual camera functions and Adobe Lightroom, providing over 100 images per client to deliver final images within a set timeframe
- Leadership Advantage: Supervised first-year engineering students by providing a welcoming environment, and facilitating team-building activities stimulated collaboration and problem-solving skills

SKILLS

Languages: Python, JavaScript, C++, C, HTML/CSS, SQL, MATLAB

Developer Tools: Git, Docker, AWS (Amplify), Google Cloud Platform, VS Code, React.js, Node.js, Express.js, Figma