JIMMY HE

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EDUCATION

University of Wisconsin-Madison   Expected May 2025
B.S. in Computer Science and Data Science, Certificate in Digital Studies   *Madison, WI*
Dean's List (Fall 2024)
- **Relevant Coursework:** User Interfaces, Software Development, Object-Oriented Programming, Data Structures & Algorithms, Big Data Systems, Database Management Systems, Machine Learning, Advanced Data Modeling

SKILLS

Languages: Python, JavaScript, HTML/CSS, Java, SQL
Frameworks & Databases: React Native, MongoDB, Express, Node.js, Flask
Developer Tools: Git, Docker, Jira, VS Code, Google Cloud Platform, Postman, Jupyter Notebooks
Libraries: React, pandas

PROJECTS

Nuu Mobile Churn Prediction | *React.js, JavaScript, HTML/CSS, Python, Flask, Jira*   Feb. 2024 – Present
- Led frontend development as Product Owner for customer churn prediction tool, managing 4-person Agile team
- Built responsive React dashboard with multiple data visualizations to transform complex data
- Managed product backlog in Jira, ensuring 100% on-time component delivery
- Increased customer engagement 10% through interfaces that helped identify high-risk customers
- Maintained 95% stakeholder satisfaction with 24-hour sprint completion through effective requirement management

My Workout Collection | *MongoDB, Express, React, Node.js, Tailwind CSS*   Dec. 2024 – Present
- Built a full-stack MERN application allowing users to view, share, and explore fitness routines
- Integrated JWT authentication for secure user management and developed a RESTful API to handle user data and requests
- Optimized MongoDB schema for faster data retrieval, improving performance and supporting content pagination
- Designed and implemented a responsive user interface with Tailwind CSS, increasing user experience and engagement

Karaoke Reservation System | *Python, Flask, SQLite, HTML, CSS, JavaScript*   May 2024 – Aug. 2024
- Architected and deployed a Flask-based web application managing 30+ weekly reservations for 3 karaoke rooms
- Created a dynamic reservation dashboard displaying available time slots in real-time
- Developed backend APIs using Flask for handling booking requests, updates, and cancellations
- Designed RESTful API endpoints with Flask to process reservation requests with 99% error-free transaction rate

WORK EXPERIENCE

Student Shift Lead   Nov. 2021 – Present
Rheta's Market   *Madison, WI*
- Lead and manage a team of 30+ student employees, improving operational efficiency by 25% through strategic scheduling
- Implemented employee training program that reduced onboarding time by 35% while maintaining service quality
- Streamlined inventory management process, decreasing stockouts by 40% and reducing waste by 15%
- Analyzed customer feedback to implement service improvements, raising satisfaction ratings from 75% to 90% over 6 months

EXTRACURRICULAR EXPERIENCE

Software Developer Volunteer   Jan. 2025 – Present
Social Coder   *Remote*
- Developed features for SEAL, an innovative React Native mobile application by AUTRS that personalizes special education curriculum for individual student needs
- Collaborated with cross-functional team of developers to create open-source software solutions for educational and environmental non-profit organizations

Board Member   March 2024 – Dec. 2024
UW-Madison Computer Science Student Advisory Board   *Madison, WI*
- Collaborated with a team of eight peers to identify curriculum improvement opportunities through regular student feedback sessions
- Presented actionable recommendations to the CS Department regarding course content, accessibility of resources, and academic support services
- Coordinated monthly meetings with faculty representatives, documented student concerns, and helped develop practical solutions to enhance the CS program