Sarena Darbutas

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EDUCATION

University of Wisconsin Parkside, Computer Science   **Kenosha, WI**
Bachelor in Science (BS) in Computer Science (CS)   May 2023

RELEVANT COURSEWORK

Data Structures and Algorithm Design, Operating Systems, Database Management Systems, Computer Communication and Networks, Web Application Security, Computer Architecture, Software Engineering Principles and Practices, Introduction to Data Science

TECHNICAL SKILLS

Programming Languages and Database: Java, Javascript, Python, HTML, CSS, MYSQL, NOSQL, Firebase
Tools & Frameworks: NodeJS, VueJS, ReactJS, Git, Flask, Jira

EXPERIENCE

Foxconn   **Mount Pleasant, WI**
Industrial Artificial Intelligence Software Engineer Intern   June 2022 – August 2022
- Created, wrote, and executed comprehensive tests for the company's web application using Jest.
- Achieved a code coverage of over 50% by diligently testing various components and functionalities.
- Ensured the reliability and stability of the web application through rigorous testing methodologies.
- Collaborated with the development team to identify and address software bugs and issues.

Foxconn   **Mount Pleasant, WI**
Industrial Artificial Intelligence Frontend Software Engineer   December 2021 – January 2022
- Developed a user-friendly side menu for a web application using VueJS, JavaScript, HTML, and CSS.
- Demonstrated proficiency in software lifecycle management and DOM manipulation.
- Applied industry best practices to optimize performance and adhere to coding standards..

Foxconn   **Mount Pleasant, WI**
Industrial Artificial Intelligence Software Engineer Intern   June 2021 – September 2021
- Collaborated as a valuable team member in a six-person team to develop a web application using VueJS, Python, JavaScript, and MySQL, following Agile Scrum practices.
- Participated in daily Scrum meetings, providing updates on progress, discussing challenges, and aligning team goals for efficient project management.
- Provided API feature development and support, ensuring seamless integration and functionality within the application.
- Played a pivotal role in improving code readability by enhancing documentation, resulting in better understanding and maintainability.
- Actively participated in code reviews, offering valuable insights and feedback to enhance code quality and ensure adherence to best practices.
- Demonstrated effective teamwork, communication, and collaboration skills throughout the development process.

ACADEMIC PROJECTS

UW-Parkside Graduation Web Application - SCRUM Master   **September 2022 – May 2023**
- Facilitated and led a team of two in the development of a web application using JavaScript, HTML, CSS, and Firebase, providing a graduation path tracking solution for UW-Parkside students.
- Solely responsible for designing the frontend of the web application, utilizing JavaScript, HTML, CSS, and Firebase, to create an intuitive and user-friendly interface.
- Implemented industry best practices and modern web development techniques to deliver a high-quality and responsive user interface.
- Demonstrated strong leadership skills by guiding the team throughout the development process, ensuring effective collaboration.
- Facilitated daily Scrum meetings, providing a platform for team members to share progress updates, discuss challenges, and align goals for efficient project management.

- Implemented Scrum ceremonies, including sprint planning, backlog grooming, and retrospective meetings, to promote transparency, collaboration, and continuous improvement.
- Fostered a culture of self-organization and empowered the team to make decisions, resolve conflicts, and deliver high-quality results within the agreed-upon timelines.

What amenities adds property value   **September 2022 – December 2022**
- Collaborated in a group to develop a data science project using Python, Pandas, NumPy, and SciPy, analyzing the impact of amenities on housing prices.
- Utilized Pandas, NumPy, and SciPy to process and analyze large datasets, extracting meaningful insights and correlations between amenities and housing prices.
- Demonstrated strong teamwork and communication skills, effectively collaborating with team members to share ideas, divide tasks, and meet project milestones.
- Our abstract was accepted at NCUR 2023, showcasing the significance and quality of the research conducted.

Database for Missionary Currie for Women and Children   **September 2021 – December 2021**
- Collaborated in a group to develop and deliver a customized database system for Missionary Currie's donation center, catering to their specific requirements.
- Played an active role in gathering client's needs and translating them into a well-designed database structure using MySQL.
- Successfully delivered a database system that met the client's requirements, enabling Missionary Currie's donation center to streamline their operations and better serve their mission.