MANDUKHAI ALIMAA

(507) 703-2395 | mandukhaialimaa@gmail.com | www.linkedin.com/in/mandy-alimaa

Ambitious and technically adept Software Engineering student with a strong foundation in computer science fundamentals, pursuing Master's degree. Eager to leverage two years of experience in object-oriented programming to develop innovative, high-quality software solutions. Passionate about learning new technologies and collaborating in team environments to solve complex engineering challenges and empower users globally

EDUCATION

University of Wisconsin Madison	**Madison WI**
Master of Science—Computer Sciences	Expected December 2025
University Of Washington	**Bothell, WA**
Graduate Certificate in Software Design and Development (CGPA: 3.8/4.00)	September 2023-March 2024
Saint Mary's University of Minnesota	**Winona, MN**
Bachelor of Arts (CGPA: 3.9/4.00)	May 2022

- Majors: Computer Science, Business Intelligence & Data Analytics, Finance | Minor: Creativity & Inquiry
- Magna Cum Laude | 8 Dean's Lists | Delta Mu Delta National Honor Society Inductee

SOFTWARE ENGINEERING EXPERIENCE

rtNOW	Frankenmuth, MI
Full-Stack Software Developer	May 2022-August 2024

- Identified organizational inefficiencies and developed scalable web-based software solutions, reducing process time by 40% and improving overall operational efficiency by 25%.
- Designed, implemented, and optimized RESTful APIs, resulting in a 30% increase in data retrieval speed and enhanced user interactions across multiple platforms.
- Maintained and updated relational databases (MySQL), writing optimized queries that reduced query time by 50%, managing schema changes, performing migrations, and ensuring data integrity to support new features and improve data management.
- Refactored legacy code to improve maintainability, security, and performance, reducing load times by 20% while utilizing Git for version control and participating in code reviews to uphold code quality and collaboration standards.
- Collaborated with stakeholders to gather requirements, develop solutions, and provide ongoing technical support, leading to a 95% client satisfaction rate and 15% faster project delivery.

SOFTWARE ENGINEERING PROJECTS

Scheduler *web application that facilitates the scheduling and delivery of the outpatient respiratory telehealth services*
- Spearheaded the development of a scheduling application used by 100+ users daily for over 8 hours, maintaining a 99% uptime. Transitioned patient scheduling from Excel to a fully integrated app, reducing scheduling time per patient by 80% and increasing customer satisfaction by 40%.

CoreLink *web application that allows users to sign up for shifts and take incoming calls from inpatient hospitals*
- Contributed to the CoreLink application, reducing call wait times by 50% and decreasing server load by 80%, significantly enhancing system performance and user experience.

SOFTWARE ENGINEERING SKILLS

- Application Development
- RESTful API
- Client-Server Architecture
- Relational Databases SQL, MySQL
- C, C++, Python

- PHP, CodeIgniter 4
- JavaScript, Vue, React
- HTML, CSS
- Test Driven Development
- Software Development Lifecycle
- Agile Methodologies

- Data Structures & Algorithms
- Object Oriented Programming
- Operating Systems
- AWS
- Git, GitHub
- Bitbucket, Jira