

Joseph Madigan

mads.flac@proton.me | 206.388.6119

LinkedIn: [linkedin.com/in/madiganj13](https://www.linkedin.com/in/madiganj13) GitHub: github.com/mads-jm Portfolio: <https://portfolio.madigan.app/>

OBJECTIVE

Software engineer with hands-on experience in machine learning, full-stack development, and distributed systems. Currently working as an ML Engineering Intern with expertise in Python, TypeScript, and modern frameworks. Proven track record of architecting scalable applications and leading cross-functional teams. Strong background in operations management and customer-focused problem-solving.

EDUCATION

Bellevue College

BS in Computer Science

Fall 2023 - Spring 2025

AAS DTA

Fall 2016 - Winter 2023

COURSEWORK

Machine Learning

Distributed Systems

Software Development - Agile

Computer Architecture

Data Structures & Algorithms

Database Systems - & SQL Fundamentals

Operating Systems

SKILLS

Programming Languages: Java •

TypeScript/JavaScript • C++ • Python

Frameworks & Web Technologies: React •

Node.js • FastAPI • PyTorch • Transformers •

Electron • HTML/CSS • React Native • nginx

Data Technologies: SQL • MongoDB •

JSON

Tools & Platforms: Git • Docker • Cursor •

JetBrains • Visual Studio • Eclipse • Vercel •

Pytest • Jest

TECHNICAL EXPERIENCE

EdgeRunnerAI / ML Engineer :: Intern

5.2025 - 8.2025

- Architected dynamic dual-source settings modal for Electron application, enabling seamless integration with diverse local LLM models
- Developed frontend components and state management solutions for AI model configuration interfaces
- Collaborated with engineering and research team on model deployment and integration workflows

TECHNICAL PROJECTS

EmailEssence :: Email Productivity Tool - [GitHub](#)

10.2024 - 6.2025

JavaScript | Python | OpenRouter API

- Architected modular backend framework with clear separation between routers, services, and providers, following SOLID principles
- Built IMAP email service with parsing and reader view capabilities
- Implemented Google OAuth with token validation endpoints
- Designed an abstract AI summarization service supporting multiple providers
- Established CI/CD pipelines and Docker configurations
- Created API testing fixtures for code quality assurance

Reverb XR :: Web-based 3D/XR Audio Visualizer - [GitHub](#)

April 2024 - June 2024

HTML | JavaScript | Web Audio API

- Developed a modular web application for real-time audio processing and 3D visualization using Web Audio API and A-Frame.

LEADERSHIP & OPERATIONS EXPERIENCE

Cinemark / Theatre Manager :: Team member

6.2016 - 11.2021

Technical Systems Management: Oversaw digital projection systems, performing data management, preventive maintenance, and troubleshooting to ensure 99%+ uptime

Team Leadership & Development: Led daily operations for 30+ person team, mentored and developed 10+ Assistant Managers through structured training programs

Process Optimization: Coordinated floor operations and implemented communication protocols that improved team productivity and service delivery metrics

Financial & Risk Management: Managed \$15,000 in daily cash assets with zero discrepancies, supervised POS systems, and enforced loss prevention strategies

Customer Success: Resolved complex guest inquiries and complaints, maintaining high satisfaction scores and building accountability frameworks for team performance