Matthew E. Adler

Systems-oriented software engineer with a background in public-sector modernization and AI integration

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EXPERIENCE

.NET Developer
2024 – Present

Department of Consumer and Business Services (DCBS), State of Oregon — Salem, OR

- Architected and deployed .NET desktop applications using MVVM, WPF, and XAML, improving manual compliance tracking workflows for OSHA
- Led test tool modernization initiatives by evaluating testing solutions, engaging vendors, and outlining CI/CD integration plans to enhance future test automation and efficiency

Full Stack Software Developer
2023 – Present

Swedemom LLC — Portland, OR

- Redesigned legacy ASP.NET MVC tools into a modular microservices architecture, improving delivery speed, scalability, and maintainability across the platform
- Integrated OpenAI's ChatGPT Responses API into the new architecture to automate pricing and condition scoring, supporting a 30% revenue boost

Software Engineering Intern
May – Aug 2023

BlackBerry, Endpoint-Engine Group — Portland, OR

- Engineered a production-grade WebSocket CGO library in Go and C++ with Protocol Buffers, enabling real-time telemetry streaming adopted by governments worldwide
- Documented socket lifecycle management and Protobuf schema integration, reducing onboarding and integration time for engineering teams

Web Developer
2022 – 2023

Columbia Neurosurgical Associates — Portland, OR

- Redesigned and launched SEO-optimized website, elevating Google search rank from 20th to 2nd and increasing monthly traffic by 3x
- Crafted mobile-first UX/UI to enhance patient experience, resulting in 40% increase in average session duration

English Teacher
2016 – 2017

K.N.S Language Institute / Private Tutor — Kaohsiung, Taiwan

- Immersed in cross-cultural education, designing engaging lesson plans for learners across age ranges after academic training in NYC
- Tailored instructional content to suit individual learner needs, enhancing retention and participation in private and classroom settings

PROJECTS

Cadence SCM Tool (Founder) | *Go, React.js, Google Cloud*
2025 – Present

- Built cloud-native SCM tool for cannabis packaging supply forecasting using historical sales and strain metadata
- Piloted with two cannabis producers to automate order timing based on data

Image Prediction Neural Net From Scratch | *Python, NumPy, Matplotlib*
Summer 2024

- Designed multi-layer feedforward network achieving 87% accuracy on MNIST digits
- Tuned momentum and learning rates for faster convergence and reduced overfitting

EDUCATION

Portland State University
GPA: 3.82

Master of Science in Computer Science (Focus: Systems and Networking) — Spring 2025

CUNY Hunter College

Bachelor of Arts in English Literature — Spring 2015