

Matthew E. Adler

Systems-oriented software engineer with a background in public-sector modernization, AI integration, and scalable full-stack development

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EXPERIENCE

Information Systems Specialist (Developer) Department of Consumer and Business Services (DCBS), State of Oregon	2024 – Present Salem, OR
<ul style="list-style-type: none">Architected and deployed .NET desktop applications using MVVM, WPF, and XAML, cutting manual compliance tracking time by 40% for OSHALed test automation modernization by evaluating tools, engaging vendors, and designing CI/CD integration plans, with projected 60% reduction in regression test time	
Full Stack Software Developer Swedemom LLC	2023 – Present Portland, OR
<ul style="list-style-type: none">Redesigned legacy ASP.NET MVC tools into a modular microservices architecture, improving delivery speed, scalability, and maintainability across the platformIntegrated OpenAI's ChatGPT Responses API into the new architecture to automate pricing and condition scoring, boosting revenue by 30% (\$50,000 annually)	
Software Engineering Intern BlackBerry, Endpoint-Engine Group	May – Aug 2023 Portland, OR
<ul style="list-style-type: none">Engineered a production-grade WebSocket CGO library in Go and C++ with Protocol Buffers, enabling real-time telemetry streaming for endpoint protection systems adopted by governments worldwideDocumented socket lifecycle management and Protobuf schema integration, reducing onboarding and integration time for engineering teams by 60%	
Web Master Columbia Neurosurgical Associates	2022 – 2023 Portland, OR
<ul style="list-style-type: none">Redesigned and launched SEO-optimized website, elevating Google search rank from 20th to 2nd and increasing monthly traffic by 3xCrafted mobile-first UX/UI to enhance patient experience, resulting in 40% increase in average session duration	
English Teacher K.N.S Language Institute / Private Tutor	2016 – 2017 Kaohsiung, Taiwan
<ul style="list-style-type: none">Immersed in cross-cultural education, designing engaging lesson plans for learners across age ranges after academic training in NYCTailored instructional content to suit individual learner needs, enhancing retention and participation in private and classroom settings	

PROJECTS

Cadence SCM Tool (Founder) <i>Go, React.js, Google Cloud</i>	2025 – Present
<ul style="list-style-type: none">Built cloud-native SCM tool for cannabis packaging supply forecasting using historical sales and strain metadataPiloted with two cannabis producers to automate order timing based on data	
Image Prediction Neural Net <i>Python, NumPy, Matplotlib</i>	Summer 2024
<ul style="list-style-type: none">Designed multi-layer feedforward network achieving 87% accuracy on MNIST digitsTuned momentum and learning rates for faster convergence and reduced overfitting	

EDUCATION

Portland State University Master of Science in Computer Science (Focus: Systems and Networking)	GPA: 3.82 Expected Winter 2025
CUNY Hunter College Bachelor of Arts in English Literature	Spring 2015