

# DEVIN LIM

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Product-oriented PM/Engineer with three years of experience leading large-scale Fraud Protection systems and teams, serving 10M+ daily transactions across Microsoft's core products. Deep love for open source, automation, and tooling. Proven adaptability across various roles and technology landscapes. Seeking opportunities to create interesting products infused with data science-driven innovations.

## EDUCATION

### Seattle University

MS in Data Science

BS in Computer Science, *cum laude*

Seattle, WA

September 2023 - (exp.) June 2025

September 2018 - June 2020

## EXPERIENCE

### Snohomish County (via Seattle University Capstone Program)

*Student Data Scientist*

Office of Energy and Sustainability

Seattle, WA

January 2025 - Ongoing

- Leading a team of 5 developing a web survey platform that centralizes survey collection, automates qualitative analysis with NLP, and delivers LLM-powered dashboards - reducing costs and improving federal Justice40 Initiative compliance.

### Microsoft (Contract)

*Technical Project Manager / Software Engineer*

Fraud Protection Tools Team

Redmond, WA

October 2020 - August 2023

- Led a team of 15 developers building Microsoft's fraud protection tools ecosystem consisting of user-facing web apps, APIs, and headless systems on .NET and Azure. Our systems involve 10M+ daily transactions and are widely integrated into Azure, Office 365, Xbox, Bing, MS Learn, and other Microsoft products.
- Served multiple roles (IC/Technical PM/Delivery Manager) driving end-to-end delivery: developed solutions, led stakeholder relations and compliance (e.g., GDPR), designed requirements, managed risks, and oversaw team development.

### Amazon (via Seattle University Capstone Program)

*Student Intern*

Amazon Care Team

Seattle, WA

October 2019 - June 2020

- Led a team of 4 developing an AWS analytics pipeline to quantify video call quality consisting of an automated data collection system, a regression model using WebRTC metrics, and visualizations on the Elastic Stack.

### Polyverse Corporation

*Compiler Engineer Intern*

Co-Inventor of U.S. Patent 10,733,303: Polymorphic Code Translation Systems And Methods

Bellevue, WA

July 2019 - September 2019

- Researched methods to provide 100% mitigation of deserialization attacks through JVM token scrambling to prevent RCE attacks such as the Equifax breach.

## SELECTED PROJECTS

### EMG Gesture Control Wristband

*EMG Sensors, Arduino, Nordic nRF52832, BLE, FastAPI, Scikit-learn, CoreML, Swift, Homekit*

Inspired by Meta Orion's aim to solve awkward control schemes in XR wearables.

- Building a muscle-sensing wristband with Bluetooth LE connectivity, iOS app, and a FastAPI backend for real-time gesture classification and gesture-to-API mapping (e.g., finger snap to turn the lights off).

### LLM-powered Job Scraper

*React, FastAPI, Crawl4AI, Ollama, Playwright, Ansible, Bash, Systemd*

Monitor recent job postings direct from company sites without writing a single parser.

- Built a full-stack web application that shows recently-posted jobs scraped from company sites using LLM-powered web scrapers, complete with infrastructure automation through Ansible playbooks, Bash scripts, and Systemd services.

### Legal Assistant Chatbot (in partnership with Seattle University School of Law)

*React, FastAPI, HuggingFace, Mistral, RAG, QLoRA*

Completed as part of a pilot program at Seattle University.

[github.com/davay/legalease](https://github.com/davay/legalease)

March 2025 - April 2025

- As a team of 4, built a full-stack web chatbot to assist small business owners during business formation in Washington State, powered by self-hosted language models, and complete with RAG, QLoRA fine-tuning, and streaming responses.

## SKILLS

**Tech Stack:** .NET, Django, FastAPI, React, HTMX, Tensorflow, PyTorch, Scikit-learn, Pandas, Numpy.

**ML Engineering:** Holistic understanding of ML Engineering beyond model selection, including business to ML requirements translation, project scoping, data engineering, and MLOps.

**NLP/LLMs:** TF-IDF, NER, Topic Modeling (LDA & BERTopic), LLM architectures, Ollama, RAG, QLoRA.

**Cloud Platforms:** Azure, AWS, GCP, and other VPS providers. Experienced with both managed services and self-hosting.

**DevOps:** Ansible, Docker, Terraform, GitHub Actions, Azure DevOps, GCP Deploy, NGINX, Systemd.

**UNIX:** Daily use & tinkering of UNIX & Linux systems for a decade. Experienced in various tools & scripting.

**I Also Love:** Product design, fancy web-presentations, unix ricing, vim, competing in games, and more 🤪