

# 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 (exp. June 2025)

BS in Computer Science, *cum laude*

Seattle, WA

September 2023 - Ongoing

September 2018 - June 2020

## EXPERIENCE

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

*Student Engineer*

Office of Energy and Sustainability

Seattle, WA

January 2024 - Ongoing

- Led a team of 5 building an end-to-end analytics pipeline to analyze local low income and disadvantaged communities' needs that is essential for many federal/state grant applications through modern NLP and statistical modeling.

### 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 for background job processing on .NET and Azure. Our systems involve 10M+ daily transactions and is 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 to develop an AWS analytics pipeline to quantify video call quality consisting of an automated data collection system, a regression model based on 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, which aims to prevent RCE attacks such as the Equifax breach.

## SELECTED PROJECTS

### Muscle-sensing Wearable for Gesture Control

*EMG Sensors, Arduino, PyTorch, CoreML, FastAPI, Swift, Docker, BLE*

Inspired by Meta Orion, aimed at solving the control problem in XR wearables.

davay.github.io/da-band

December 2024 - Ongoing

- Built a wristband that captures EMG data and transmits using Bluetooth Low Energy through Nordic Semiconductor's SoC.
- Built an iOS app with realtime gesture classification and fine-tuning that pairs gestures with external API actions (e.g., *[snap] → [Homekit : Lights – off]*), supported by a FastAPI backend that creates and converts PyTorch models to CoreML.

### Language-model Automated Job Scraper

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

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

jobs.devinlim.com

March 2025 - April 2025

- Built a full-stack web application that automatically scrapes job listings using LLM-powered web crawling, complete with infrastructure automation through Ansible playbooks, Bash scripts, and Systemd services.

## SKILLS

**Data Tools:** Tensorflow, PyTorch, Scikit-learn, Ollama, Pandas, NumPy, PowerBI, Plotly, Elastic Stack.

**Full Stack:** Experienced in various backend stacks: .NET, Django, and FastAPI.

Working knowledge of various frontend tools: HTML/CSS/JS, Razor, React, Shadcn, and HTMX.

**NLP:** Experienced in classical NLP techniques like tokenization, lemmatization, Bag-of-Words, TF-IDF, and NER.

**Language Models:** Understanding of language model evolution from classical approaches (such as N-grams, seq2seq RNN)– to the Transformer. Led a lecture on "Attention Is All You Need". Built an end-to-end chatbot using Ollama.

**DevOps/MLOps:** Ansible, Docker, MLFlow, Terraform, GitHub Actions, Azure DevOps/ARM, GCP Deploy, NGINX, Systemd.

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

**Cloud Platforms:** Experienced with large-scale robust systems in Azure, AWS, and GCP.

**I also love...:** Unix ricing, product design, fancy web-presentations, vim, competing in games, and much more 😊