

Nina Koh

M.S. Student in Computational Linguistics

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SUMMARY

I'm an M.S. student in Computational Linguistics at the University of Washington, with hands-on experience building full-stack applications, developing end-to-end NLP pipelines, & fine-tuning LLMs.

EDUCATION

M.S. Computational Linguistics (3.75 GPA)

University of Washington, 9/2022-8/2025

B.A. Linguistics / Summa Cum Laude (3.95 GPA, Top 2%)

University of California, Santa Cruz, 9/2017-12/2020

EXPERIENCE

Full-Stack AI & NLP Engineering Intern

Institute for Development Impact / June 2025 – August 2025

- Developed a full-stack application for AI-assisted survey generation within the I4DI Zeno platform
- Built modular HTML/ERB + Tailwind CSS components & StimulusJS controllers to capture user inputs
- Designed RESTful API endpoints in Ruby on Rails to process complex JSON payloads & persist surveys to the SQL database
- Engineered JavaScript logic to format user inputs into dynamic prompt templates for Mistral-7B-Instruct

Full-Stack Game Developer (r/Ninigrams)

Reddit / November 2024 – Present

- Developed a nonogram puzzle game app with 3,800+ active Reddit members & 40,000 views per post
- Engineered Devvit app with TypeScript, Redis API for user data, & backend generation in Python
- Moderated community feedback & collaborated with engineers to shape the Devvit developer platform

Language Engineer Intern Lead

Bookscribs / April 2022 – February 2023

- Led 10 interns to annotate 35+ book-script pairs for movie script generation, increasing data by 360%
- Developed labeling guidelines & conducted quality analysis in coordination with the engineering team
- Recognized as 'Top Innovator' for leadership, efficiency, & clarity in communication across the company

PROJECTS

Customer Review Summarization System - LING 573 – NLP Systems and Applications / March 2025

- Led a team of 4 M.S. students to build an opinion summarization system using the Opinosis dataset
- Fine-tuned a T5-small model & compared results against three extractive methods (TF-IDF, LexRank, MMR) across ROUGE-1/2/L, BERTScore, and METEOR metrics
- Experimented with ante-hoc content selection techniques for increased interpretability & performance
- First-authored a 4-page research paper submitted to the ACL Student Research Workshop & WinLP

Personalized Meal Planner with AI - Coda's AI at Work Challenge Hackathon / July 2023

- Created an AI-powered meal planner that curates personalized recipes based on user's grocery items
- Implemented advanced prompt workflows using Coda formulas to dynamically inject data into prompts

The Goldenrod – Subscription Management Website - TechTogether Seattle Hackathon / May 2023

- Made a full-stack prototype for subscription management platform via React, MongoDB, Microsoft Azure
- Pitched to 7 judges and won the most award categories across all teams (100+ participants)

SKILLS

Languages: English | Japanese

Programming: Python | Java | JavaScript | Ruby | Typescript | Bash

Software & Tools: HuggingFace | PyTorch | Keras | ChatGPT | scikit-learn | NumPy | pandas | Git | NLTK

Cloud & Database: SQL | Google Colab | Microsoft Azure | MongoDB | Redis API

Core Competencies: Leadership | Critical Thinking | Organization | Work Ethic | Communication | Writing