Nina Koh

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EDUCATION

University of Washington   **Seattle, WA**
Master of Science in Computational Linguistics, GPA - 3.75   *August 2025*

University of California, Santa Cruz   **Santa Cruz, CA**
Bachelor of Arts in Linguistics, GPA - 3.95   *December 2020*
- Honors: summa cum laude (top 2%)

WORK EXPERIENCE

AI Engineer   **Seattle, WA**
SwayIQ   *August 2025–Present*
- Implementing an extraction pipeline to generate JSON schemas from research publications via OpenAI API

AI & NLP Engineering Intern   **Seattle, WA**
Institute for Development Impact (I4DI)   *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 SQLite database
- Engineered JavaScript logic to format user inputs into dynamic prompt templates for Mistral 7B Instruct

Language Engineer Intern Lead   **Irvine, CA**
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

Game Developer of r/Ninigrams - *Reddit Games & Puzzles Hackathon*   *November 2024–Present*
- Developed a nonogram puzzle game app with 3,800+ 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 platform

Customer Review Summarization System - *LING 573 - NLP Applications*   *March 2025–August 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 methods for improved interpretability & performance
- First-authored a 4-page research paper submitted to ACL Student Research Workshop & WiNLP

The Goldenrod – Subscription Management Website - *TechTogether 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

Programming Languages: Python, Java, Ruby, JavaScript, Typescript

Natural Languages: English, Japanese

Software & Tools: Hugging Face Transformers, PyTorch, Keras, OpenAI API, scikit-learn, NumPy, pandas, Git, NLTK

Cloud & Database: SQLite, Google Colab, Microsoft Azure, MongoDB, Redis