

ERIC XIAO

✉ exiao@uw.edu ☎ (206) 432-0515 👤 exiao.me (portfolio site) in linkedin.com/in/xiaoe5800/ 🐙 github.com/mathlord2

ACADEMICS

Bachelor's in Computer Science, University of Washington-Seattle

Expected Graduation: June 2025

Relevant coursework: Data Structures and Algorithms, Software Design and Implementation, Systems Programming, Introduction to Data Management, Machine Learning, Natural Language Processing, Computer Graphics

Cumulative GPA: 3.89

EXPERIENCE

Amazon - Amazon One

June 2023 - Sep 2023

Software Development Engineer Intern

Seattle, United States

- Led the development of a **data pipeline** that generates daily Amazon One customer reports for **10+ clients** and is **200% more efficient** than the current process.
- Utilized **AWS Lambdas** and **Kinesis Firehose** to process and transfer HTTP request data to a **WorkDocs** site while following industry-standard software development guidelines.
- Completed all project milestones **a week before the end date**, and delivered a project presentation to **over 40 Amazon One stakeholders**.

Eat Together

Feb 2022 - Present

Co-founder/Director

Seattle, United States

- Spearheading a **cross-functional team of 10+** software developers, product designers, and business developers in developing a **mobile app** that helps students organize and attend food-related meetups.
- Overlooking the whole process, from ideation and market research to development and deployment, helping gain **250+ users and 100+ meetups since public launch in September 2023**.
- Leading meetings and assisting team members with sprint planning, code and design reviews, debugging, and app testing sessions.
- Pitched Eat Together at the Dempsey Startup Competition, where we placed in the **top 36 teams (out of 83)**.
- Achieved **over \$1500 in funding** via sources like the 2023 Husky Seed Fund.

Harled Inc.

Aug 2020 - Nov 2020

Software Engineer Intern

Waterloo, Canada

- Collaborated with a team of **5** students to create a real-time **flight-mapping platform from scratch** using the **MERN stack**.
- Developed flowcharts and **Figma** prototypes/mockups, and utilized **React** and **Leaflet.js** to create a flight map and dashboard.
- Implemented **external libraries and polylines** to map out geodesic flight paths for airplanes, and linked the **React** frontend to **Node.js** endpoints and a **MongoDB** database of flight information.

PROJECTS

AirFlip - JavaScript, Python, React, Tensorflow, Web Speech API

A web platform that helps users seamlessly swipe through PDF documents using **gesture detection and speech recognition**; won a **Finalist (top 17 projects) Award at Hack the North 2021**.

- Developed a **React** user interface that includes a PDF viewer and webcam video footage, and utilized the **Web Speech API** to flip the document after speaking key words.
- Linked the frontend with a **Tensorflow MoveNet** machine learning model that detects head gestures to flip the PDF.

Markov Chain Lyrics - Python, Flask, React, BeautifulSoup, Genius API

A web application that uses **Markov Chains** to generate lyrics from various song artists.

- Utilized the **Genius API** to obtain URLs to lyrics of popular pieces from an artist, and used **BeautifulSoup** to scrape these lyrics.
- Created a Markov Chain using **object-oriented programming in Python** to generate lyrics from previous words, and built a full-stack app using a **Flask** backend server and a **React** user interface.

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, HTML, CSS, LaTeX, C++, C, TypeScript

Frameworks: React, React Native, jQuery, Flask, BeautifulSoup, Processing, Node.js, Next.js, Sklearn, Pandas, PyTorch

Technologies: Firebase, Google Cloud, AWS, Figma