

# David Xiao

[xiaodavid288@gmail.com](mailto:xiaodavid288@gmail.com) - [LinkedIn](#) - [Github](#) - Availability: May - December 2025

## EDUCATION

**Northeastern University, Boston, MA | Khoury College of Computer Sciences**

*Candidate for B.S. in Computer Science, Concentration in Computer Systems*

*August 2023 - June 2027*

**Honors:** GPA: 3.46/4.00 | Dean's List (Spring 2023, Spring 2024), First Place AI Track | Northeastern PawHacks 2024 ([Devpost](#) and [Github](#))

**Relevant Coursework:** Computer Systems, Network System Fundamentals, Algorithms and Data Structures, Object-Oriented Programming, Calculus 3, Network Fundamentals, Systems Security

**Activities:** Team Member: Club Volleyball - (August 2023 - April 2024), Lead Engineer in Northeastern Pawhacks Oakland Competition - (10 May 2024 - Present)

## TECHNICAL SKILLS

**Programming Languages:** Python, LaTeX, Kotlin, Java, HTML, CSS, JavaScript

**Technical Skills:** Node.js, Kotlin, FastAPI, Android Development, Linux, OpenAI API

**Development Skills:** Test-Driven Development, Unit Testing, API Integration, API Handling, Data Modeling, Documentation

**Machine Learning & Design Skills:** CNNs, Data Augmentation, Regularization Techniques, Figma

## EXPERIENCE

**Intern | Places To Go, Boston, MA**

*May 2024 - July 2024*

- Integrated the SERP API into a travel chatbot, enhancing real-time information retrieval and chatbot accuracy whilst using secure connections, API handling, data parsing, and unit tests
- Used FASTAPI documentation to generate documentation for PTG team
- Designed an interface for user budgeting, both flowchart and interface drafts through Figma

**Intern | Soracom Inc., Seattle, WA**

*June 2022 - July 2022*

- Selected by Kenta Yasukawa (co-founder) after interview on [podcast](#) to develop anomaly detection systems
- Developed new anomaly detection systems; work implemented into "Soracom Harvest" customer systems
- Based on performance review in summer 2022, invited to continue in 12th grade (remotely)

## PROJECTS

**Three Trios: [Github](#) | Java, JUnit, Swing**

*September 2024 - December 2024*

- Designed and implemented core gameplay features, ensuring smooth player interactions and rule enforcement.
- Created and validated multiple AI strategies to enhance game difficulty and strategic depth.
- Refactored the codebase, improved encapsulation, and added documentation for better maintainability, adaptation, and scalability.

**PawPilot: [Github](#) | JavaScript, HTML, CSS**

*March 2024*

- Full Stack Developer for PawPilot, co-developed a web platform that breaks down coding problems, provides resources, and reviews user code to reduce dropout rates in coding classes.
- Integrated OpenAI API into the platform to offer personalized feedback and learning assistance, enhancing the user experience.
- Utilized Node.js for back-end development and HTML/CSS for front-end design, achieving a modern, user-friendly interface.

**Flashcard Study App: [Github](#) | Kotlin**

*November 2023 - Present*

- Led the conceptualization and implementation of a flashcard study application using Kotlin in Android Studio.
- Engineered the seamless integration of card management, navigation, and interactive features to elevate user experience.
- Actively engaged in the ongoing enhancement and fine-tuning of application functionalities.

## ADDITIONAL INFORMATION

**Languages Spoken:** English (native), Chinese (fluent), French (basic)

**Interests:** Electronic Music, Golfing, Nutrition and Fitness