

# ANTHONY LAM

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## EDUCATION

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### University of Pennsylvania

August 2023 - May-2025

Masters Computer & Information Technology (Computer Science)

Overall GPA: 3.59

### University of Texas at Dallas

August 2018 - Dec-2021

Bachelor of Arts in Mathematics

Overall GPA: 3.47

## PROJECTS

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### Interactive Pokémon Map

[pokemon-map.netlify.app/](https://pokemon-map.netlify.app/)

- Engineered and deployed a responsive web application using Angular and Java Spring Boot, simulating location-based Pokémon encounters to enhance user interaction and game-like experience.
- Implemented real-time state management and dynamic content rendering, enabling users to customize encounters based on criteria such as location and encounter method.
- Integrated PokeAPI for comprehensive Pokémon metadata, optimizing data retrieval through efficient caching strategies to improve application performance.

### TrailBuddy

[github.com/signOfi/trailbuddy](https://github.com/signOfi/trailbuddy)

- Developed a full-stack outdoor event platform using Spring Boot and Angular, integrating Google Maps API for location services.
- Implemented secure JWT-based authentication and RESTful API with CRUD operations for comprehensive event management.
- Designed responsive UI components and integrated file upload functionality for event images and user profiles.

### Video Game Price Tracker

[github.com/signOfi/VideoGamePriceProject](https://github.com/signOfi/VideoGamePriceProject)

- Developed a full-stack web application for tracking video game prices across multiple platforms, utilizing Spring Boot for the backend, a Python web scraper for data collection, and React for the frontend.
- Implemented an automated data refresh system, allowing users to update game prices on-demand through a RESTful API endpoint, ensuring up-to-date market information.

## TECHNICAL SKILLS

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### Computer Languages

Java, Python, C

### Web Technologies

HTML, CSS, JavaScript

### Frameworks

Springboot, Angular

### Other

PostgreSQL, Docker, AWS, Junit, Mockito, Git

## EXPERIENCE

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### Richardson ISD

August 2021 - August 2023

Secondary Mathematics Teacher / Student Teacher

Richardson, TX

- Developed analytical and problem-solving skills through creating and implementing math curricula for students.
- Demonstrated strong communication abilities by explaining complex concepts to students and collaborating with faculty.