

ANTHONY LAM

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EDUCATION

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

Interactive Pokémon Map

July 2024

- 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

June 2024

- 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

March 2024

- Developed a full-stack web application for tracking video game prices across multiple platforms, utilizing Spring Boot for the backend and a Python web scraper for data collection.
- 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

Computer Languages

Java, Python, C

Web Technologies

HTML, CSS, JavaScript, Git

Frameworks

Springboot, Angular

Databases

PostgreSQL

Other

Docker, AWS, Junit, Mockito

EXPERIENCE

Richardson ISD

August 2021 - August 2023

Secondary Mathematics Teacher / Student Teacher

Richardson, TX

- Demonstrated quick, on-the-fly problem-solving under high-stress classroom situations
- Proficient in analyzing student performance data to tailor teaching strategies, paralleling the use of data analysis in software engineering to drive decision-making.