

# ANTHONY LAM

anthonylam14.netlify.app/frontpage ◇ github.com/signOfI ◇ anthonylam14@gmail.com

## 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 Simulator

June 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.

### Video Game Price Tracker

March 2024

- Developed a Pokémon game price tracking application using Python and Selenium for web scraping to gather price data from multiple online retailers.
- Implemented data analysis and visualization techniques using Pandas and Matplotlib to monitor and display price trends over time.
- Enhanced user experience with a user-friendly interface and automated email alerts for significant price changes, ensuring timely updates for users.

### Spring Boot Baseball Players Directory Application

January 2024

- Developed a web-based application for managing a directory of baseball players using Spring Boot, and implemented extensive unit testing using Mockito,
- Implemented RESTful services and Thymeleaf templates to create a dynamic and interactive user interface for adding, updating, deleting, and searching for player information.

## TECHNICAL STRENGTHS

### 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.