

Adrian Miro

210-394-3701 • adrianalexis624@gmail.com • github.com/asiansnoodle • www.linkedin.com/in/adrian-miro/

Education:

The University of Texas San Antonio

Bachelor of Science in Computer Science | GPA: 3.90

Graduation: Dec 2025

- Concentration: Software Engineering & Data Science
- Relevant Coursework: Data Structures & Algorithms, Data Science, App Programming, Systems Programming

CodePath

Technical Interview Prep

May 2024 - August 2024

- Sharpened my skills in utilizing Data Structures & Algorithms to solve coding problems
- Exercised teamwork, communication, and collaboration skills by working with fellow scholars to solve challenging coding problems using the UMPIRE method

Technical Skills:

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL

Skill Sets: Object Oriented Programming, App & Web Development, Data Structures, Machine Learning

Tools: Git, GitHub, VS Code, Jupyter Notebooks, Android Studio

Libraries / Frameworks: Pandas, NumPy, Matplotlib, Beautiful Soup, Scikit-Learn, Flask, Node.js, React

Experience:

Research Assistant - Artificial Intelligence | University of Texas San Antonio

Fall 2024 (Incoming)

- Contributing to AI research projects with a focus on data-driven methodologies and machine learning models

Software Engineer Fellow | Headstarter

July 2024 - August 2024

- Build several AI applications using current relevant tools, technologies, & APIs

Data Analyst Intern | Fun and Moving Startup

May 2024 - August 2024

- Utilized Python Pandas & NumPy to perform data cleaning & organization techniques on existing company data stored in CSV formatted files.
- Developed data visualizations using Matplotlib and reports to provide insights for business decision-making

Barista Shift Leader | Kung Fu Tea

May 2023 - May 2024

- Led a team of baristas during shifts, ensuring smooth operations and high-quality customer service.

Projects:

Chore Task Tracking App - Java | Android Studio, Git | Object Oriented Programming

- Developed a chore task tracking application for Android devices using Java and Android Studio.
- Designed and implemented user authentication, including secure login and data storage mechanisms.
- Collaborated with team members to gather requirements, prioritize features, and conduct usability testing

Web Scraper for Book Store Site - Python | Pandas, Beautiful Soup, SQLite3 | Requests, HTML5lib - [Link](#)

- Implemented a data ETL pipeline: Extracted data from the website, transformed it using Pandas to clean and structure the data, and loaded it into a SQLite database for persistent storage and efficient querying.
- Utilized Beautiful Soup to scrape and store data for hundreds of books, providing a valuable dataset.
- Built a command-line interface (CLI) for querying the database, allowing users to filter books enabling efficient data retrieval and filtering based on user-specified criteria.

Etch-a-Sketch Website - HTML, CSS, JavaScript | Browser DevTools, Git - [Link](#)

- Successfully created a fully functional Etch-a-Sketch emulator that engages users with its interactive features.
- Added interactivity using Javascript to change the grid cells' colors on mouseover, using random RGB color generation for a colorful drawing experience.
- Enhanced understanding and practical application of front-end technologies, demonstrating the ability to create interactive web applications.