Heather Macias

✉ hrmacias@asu.edu 🔗 linkedin.com/in/heather-macias/ 🐙 github.com/hspicynoodles 💼 heatherm-portfolio.com

EDUCATION

Arizona State University   Expected Graduation: Fall 2026
Bachelor of Computer Science | Minor in Data Science
Relevant Coursework: Data Structures and Algorithms, Intro to Software Engineering

EXPERIENCE

Coding with Kids   Jan 2024 - Jan 2025
Children's Coding Instructor   *Scottsdale, AZ*
- Taught **coding fundamentals** to students aged 5–12 using platforms such as **Scratch** and **Python** in weekly in-person classes, impacting up to **20 students** per session.
- Collaborated with the curriculum team and fellow instructors to tailor content that improved student engagement, reflected by consistently **positive parent feedback.**
- Earned performance bonuses by achieving strong student retention and exceptional customer satisfaction scores (avg. rating: 4/5)

PROJECTS

RP2 | *React Native, Node.js, Express, MongoDB, Google Maps Api*   July 2025 - August 2025
- Built and deployed a **full-stack mobile app** using **React Native** and a **Node.js/Express** backend with **MongoDB** for data storage. Introducing core concepts for these languages by making app functional.
- Debugged navigation and data handling issues that I came across, improved the app responsiveness and reduced screen errors during multi-step prompt workflows.
- Designed and implemented a backend with **Node.js** and **Express**, enabling secure data handling for user profiles and preferences, stored in **MongoDB** using **JWT tokens** for authentication and authorization.
- Implemented geolocation features using **Google Maps API** which allows users to provide their location and storing in **MongoDB**.

Code College | *HTML,CSS, JavaScript, Firebase, OpenAI API*   Feb 25 – June 2025
- Integrated **OpenAI's API** to scan and evaluate user-submitted JavaScript/HTML/CSS solutions, checking logic for **10+ challenges** and providing unique passwords to user to capture the crown for each challenge.
- Used **Firebase Authentication** and **Firestore** to manage user accounts, progress tracking, and challenge results.
- Designed a dynamic frontend UI using **HTML, CSS,** and **JavaScript** to simulate a real-world coding environment where users can write, test, and submit code directly in-browser.

ASU Bookstore | *Java, Astah, Asana,*   Oct 2024 - Dec 2024
- Collaborated in a 4-person team using Agile sprints, with weekly stand-ups and Asana to manage tasks and deliverables
- Developed a **Java-based** desktop application for the ASU Bookstore to allow students to book appointments for in-store services
- Used **Astah** to create **UML** diagrams and define system architecture, including class, sequence, and use case diagrams

SKILLS

Languages: JavaScript, Python, Java, Typescript, HTML, CSS, SQL, C/C++, SQL
Databases: Firebase, MongoDB, Fire store
Frameworks: React, React Native, Node.js, Express.js, JavaFX, Astah
Tools: Git, Ubuntu, GitHub, Figma, Firebase, OpenAI