

Karl Mathew D. Ramos

Gainesville, FL • 352-214-8464 • karlmathew75@gmail.com • [LinkedIn](#) • [GitHub](#) • [Portfolio](#)

EDUCATION

University of Florida

Gainesville, Florida

Bachelor of Science in Computer Science, Certificate in Artificial Intelligence Fundamentals

Dec 2023

GPA: 3.5

TECHNICAL SKILLS & CERTIFICATIONS

Backend: C++, Java, Python, MySQL, Git, Linux, JUnit, Docker, FUSE, ChatGPT API, Google Maps, Firebase, AWS.

Frontend: JavaScript, HTML, CSS, React, Tailwind, Next.js, Figma, Matine, EmailJS, Chatscope, UX/UI design.

Certifications: CodePath Intermediate Technical Interview Prep (2023) and Google Software Product Sprint (2022)

Work EXPERIENCE

University of Florida – Teacher Assistant for AI Fundamentals | Gainesville, FL

Jan 2022 – Current

- Assessed and provided constructive feedback on student assignments, fostering effective communication with students to enhance their understanding and progress in the course.
- Actively collaborated with the course professor to shape, create, and enhance the course materials, leveraging my expertise in the ever-evolving field of AI, including my familiarity with industry standards such as ChatGPT.
- Diligently assessed and provided constructive feedback on over 93 students' Scratch and Python code, ensuring correctness, efficiency, and adherence to best practices, thereby fostering their coding proficiency and project quality.

Google - Software Product Sprint Participant | Remote

June 2022- August 2022

- Worked closely with three participants to develop a website tailored specifically for non-verbal children. The website allows users to save terms and pictures on flashcards which can produce audible speech by hovering over the cards
- Integrated state-of-the-art technologies, including Firebase, Google Translation API, and Firebase Database API, to facilitate user account management, seamless text-to-speech conversion by hovering, and secure storage of flashcards.
- Participated in rigorous technical interview practice sessions facilitated by experienced Google employees, honing problem-solving skills, algorithmic thinking, interview techniques, and guidance on how to be a better solver.

PROJECTS

Gatorbites – Full-Stack Developer | Byte Size Chef

Oct 2023- Dec 2023

- Collaborated with a team of 4 members to achieve the project's objective of creating a dynamic platform for college students to discover and share recipes with each other through making food posts and participating in competitions.
- Spearheaded the integration of image storage, upload, and retrieval by using AWS S3 Bucket to connect the frontend and backend. Played a key role in leading user research and launching the AI recipe generation feature in a local IDE.
- Exceptional user engagement, including 260 post clicks, 133 likes/dislikes, and 117 competition page clicks, with a user-to-engagement ratio as 32 registered users actively posted 27 contributions, emphasizing interactive community.

RuneCraftedRecipes - Developer | Bards of the Swamp

Oct 2023

- Demonstrated strong teamwork and leadership within a collaborative group during a challenging hackathon project. My significant contribution was the successful, seamless integration of Firebase into the Flutter based mobile app.
- Overcame hackathon-specific challenges, such as integrating the Semantic Kernel by combining OpenAI into the app.

The ME Project – Project Manager | Group 49

October 2022- December 2022

- Led a team of 3 accomplished students in the successful development of an innovative mental health wellness tracking websites, empowering users to securely store their diary entries and actively promote emotional well-being.
- Initiated the adoption of the **agile scrum methodology**, orchestrating efficient **code reviews**, static code analyses, and seamless wireframe and software architecture model designs, ensuring a streamlined and robust development process.
- Created and maintained comprehensive project documentation, including project plans, timelines, product backlog, kanban boards, and status reports, ensuring transparency and accountability throughout the project lifecycle.

Movie Recommender - Developer | TheNextWatch

June - August 2022

- Collaborated with a team of 2 students in the development of a sophisticated **command-line interface program** that harnessed 70,000 data points to provide personalized movie recommendations using data structures.
- Implemented **custom unordered maps and maps** without reliance on the standard library by using an AVL Tree