Mika Shanela Carodan

📞 909-214-5009 ✉ mikashanela.dev@gmail.com 🔗 LinkedIn ⓞ Github 🖥 Portfolio

EDUCATION

Universty of California, Riverside   **June 2023**
Bachelor of Science in Computer Science with Business Applications   Cum Laude, GPA 3.84

TECHNICAL SKILLS

Languages	JavaScript, Python, C++, TypeScript, HTML5, CSS
Tools	Git, Github, VSCode, Figma, Google Analytics, Postman, Cypress, Jest
Technologies	Next.js, React.js, TailwindCSS, Framer Motion, Prisma, MongoDB, NextAuth

EXPERIENCE

Citrus Hack   **January 2023 – April 2023**
Lead Software Engineer   *Riverside, CA*

- Spearheaded front-end development with Next.js, TailwindCSS, Framer Motion for UCR's premier hackathon serving 725+ participants
- Championed a responsive-first approach that resulted in a 98% consistency in user interface rendering across desktops, tablets, and mobile devices
- Maintained website and addressed 88% of user-reported issues, significantly improving overall user experience

Northwestern Mutual   **June 2022 – November 2022**
Software Engineer Intern   *Milwaukee, WI*

- Collaborated with product managers and designers in a dual-track agile setting to build the JointWork MVP, an internal matchmaking application to be used by 12,0000+ field representatives
- Implemented the app's setup wizard and 4 filtering features using React.js, leading to a 65% reduction in time spent on partner discovery
- Architectured the CI/CD pipeline to automate linting and code style consistency using ESLint, Prettier, and Husky, speeding up code reviews by 10+ minutes
- Mentored 17 high school students in learning HTML, CSS, JavaScript, and React for NMTech Outreach

Systems Optimization and Computer Architectural Lab   **April 2021 – August 2021**
Computer Architecture Research Intern   *Riverside, CA*

- Designed a runtime modeling system that increased GPU energy efficiency by 18% using CU Masking and HIP
- Conducted power testing of 60 GPU cores through sequential and round-robin scheduling algorithms
- Research Publication: **Energy Efficient Task Graph Execution Using Compute Unit Masking in GPUs**

PROJECTS

bitByBIT | *Next.js, TailwindCSS, Judge0, Google Cloud, Figma*   **January - Ongoing**

- Developing a website to improve programming fundamentals for 2000+ UCR students enrolled in intro CS courses
- Working with an 8-person team with weekly scrum meetings and hands-on code review to ensure high-quality code
- Translated Figma designs into fully functional dashboard, profile, and problem pages

GarfAI | *Next.js, TailwindCSS, OpenAI, Vercel*   **April 2023**

- Created an AI assistant web app with the following features: sentence rewriting, language translation, bill splitting, gift brainstorming, and English writing analysis
- Utilized OpenAI's GPT-3 to optimize personal and academic workflows for 15+ friends

HACKATHON AWARDS

bioLink	Won Best Overall at BioHack2023
wrxSpace	Won 2nd Place at Northwestern Mutual's Tech Intern Hack 2022
ScottyMaps	Won 'Best Use of Google Cloud' and 'Wolfram Award' at Cutie Hack 2022
Planet Her	Won 'Best UI/UX Hack' and 'Best Space Hack' at Rose Hack 2022