# Mika Shanela Carodan

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## EDUCATION

**Universty of California, Riverside** <div align="right">**June 2023**</div>
Bachelor of Science in Computer Science with Business Applications <div align="right">GPA 3.83</div>

## TECHNICAL SKILLS

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| **Languages** | JavaScript, Python, C++, TypeScript, HTML5, CSS |
| **Tools** | Git, Github, VSCode, Figma, Postman, Cypress, Jest |
| **Technologies** | Next.js, React.js, TailwindCSS, Node.js, Express, MongoDB, Google Firebase |

## 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 1000+ participants
- Worked extensively with UI/UX team to ensure design feasibility and responsiveness of all pages across desktop, tablet, and mobile screens
- Maintained website, addressed 11 user feedbacks, and promptly resolved 2 bug reports, resulting in 70% reduction of reported errors and overall improvements in user satisfaction

**Northwestern Mutual** **June 2022 − November 2022**
*Software Engineer Intern* *Milwaukee, WI*
- Collaborated with Product Managers and UI/UX designers in a dual-track agile setting to build JointWork, an internal web application used by 10,0000 field representatives
- Implemented the app's setup wizard and 4 matchmaking features using React.js and Express.js, improving workflow efficiency by 65% among end users
- Built the CI/CD pipeline to automate linting and code style consistency using ESLint, Prettier, and Husky
- Mentored and instructed 17 high school students learning web development in the NMTech Outreach Program

**Systems Optimization and Computer Architectural Lab** **April 2021 − August 2021**
*Computer Architecture 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 CU-SMid Bit mappings
- Published research, **Energy Efficient Task Graph Execution Using Compute Unit Masking in GPUs"**

## PROJECTS

**bitByBIT** | *Next.js, TailwindCSS, Judge0, Google Cloud Platform, 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

## AWARDS

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| **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 |