

Gabrielle Handoyo

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Professional Summary

Versatile Computer Science professional specializing in blending coding and design to create solutions that are both functional and visually engaging. Skilled in full-stack development with particular strength in C/C++ programming and React-based web applications. Seeking to leverage dual expertise in a dynamic team environment to drive innovation and deliver exceptional user experiences.

Education

Bachelor of Science in Computer Science

September 2022 - August 2024

University of California, Davis

Relevant Coursework

- Parallel Programming
- Object Oriented Programming
- Computer Architecture
- Data Structures and Algorithms
- Computer Vision
- Agent-Based Modeling
- Operating Systems
- Web Programming

Technical Skills

Programming Languages: C/C++ (Advanced), Java (Intermediate), Python (Basic), GoLang, Lisp, Prolog, Assembly

Web Development: React (Advanced), JavaScript (Intermediate), HTML5/CSS3, Node.js, Express.js, MongoDB

Frameworks & Libraries: Flask, MERN Stack

Developer Tools: Git/GitHub, Visual Studio Code, Figma, Eclipse, Linux, Replit, Postman

Areas of Focus: Full-Stack Development, Software Development, UI/UX Design, Responsive Web Design

Projects

Alpha Phi Omega Website | [View Site](#) | [GitHub](#) | MERN Stack | Ongoing November 2024 - Present

- Architecting and developing a membership-driven website using MongoDB, Express, React, and Node.js
- Designing responsive interfaces that enhance accessibility and usability across all devices
- Implementing secure authentication and user management systems to protect member information
- Building dynamic components including member portals and event tracking to improve organizational efficiency

Reincarnation Quiz Web Application | [View Site](#) | [GitHub](#) | Flask + React February 2025 - March 2025

- Designed and developed a full-stack personality quiz application with custom trait-matching algorithm
- Engineered a Flask-based REST API to process user responses and deliver personalized results
- Created an engaging React frontend featuring an immersive chat interface
- Implemented session persistence and responsive design for seamless cross-device experience
- Developed an analytics dashboard to visualize user engagement metrics

Personal Portfolio Website | [View Site](#) | [GitHub](#) | React September 2024 - October 2024

- Designed and developed an interactive portfolio website showcasing professional projects and skills
- Created responsive layouts ensuring seamless user experience across desktop and mobile devices
- Integrated custom animations and modular components to enhance visual appeal and engagement
- Implemented intuitive navigation optimized for recruiters and potential employers

Kids Arcade Website | [View Site](#) | [GitHub](#) | HTML/JS/CSS April 2024 - May 2024

- Collaborated in a team to design and develop an engaging game arcade website for children
- Built a dynamic, hand-drawn scrolling web game using vanilla JavaScript and CSS animations
- Implemented responsive design ensuring cross-browser compatibility and mobile responsiveness
- Enhanced user engagement through custom game mechanics and interactive visual elements

Related Activities

Alpha Phi Omega | Various Leadership Roles September 2022 - May 2024

- Developed a user-friendly website and created engaging Instagram graphics as Webmaster and Design Chair
- Planned and executed a 3-day retreat for 50+ members, enhancing team cohesion and leadership development
- Designed the official chapter jacket embroidery, recognized for its unique and cohesive design

Women in Computer Science | Activity Coordinator August 2021 - May 2022

- Co-organized DVC Viking Hacks with Google Developer Club, successfully attracting 50+ participants