Alexa Grau

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EDUCATION

Santa Clara University | Master of Science in Computer Science and Engineering   Expected June 2022

Santa Clara University | Bachelor of Science in Web Design and Engineering, Cum Laude   June 2021
- Minor in Computer Engineering
- NCAA Division I Athlete and Team Captain, SCU Women's Water Polo

EXPERIENCE

Teaching Assistant   September 2021 - Present
SCU Department of Computer Science and Engineering | Santa Clara, CA
- Guide undergraduate students to meet learning objectives by completing projects in HTML, CSS, and JavaScript
- Break down fundamental concepts and coding languages for students to fully grasp materials, ensuring the success of over 60 students per quarter
- Collaborate with professors to develop teaching materials and content to promote student engagement

Web Specialist   May 2019 - December 2021
SCU Alumni Relations | Santa Clara, CA
- Maintained and updated Santa Clara University's alumni website, serving over 106,000 living alumni
- Led project design showcasing Alumni Relations diversity & inclusion efforts receiving over 1,100 views since published
- Analyzed web traffic through Google Analytics to help drive website content decisions, resulting in 326% traffic increase
- Partnered with 10+ alumni directors to create, modify, and display content in dynamic ways

Full Stack Intern   July - August 2019
Appstrax Technology | Lisbon, Portugal
- Partnered with designers to build a company website from scratch using Figma.com and Angular
- Automated customer relations management functionality to increase company efficiency and user experience

PROJECTS

Application for Servicio Jesuita para Migrantes Costa Rica   June 2020 - Present
React, MongoDB, Adobe Illustrator and XD
- Led web and UI design project partnership between the SCU Frugal Innovation Hub and Costa Rican client organization
- Organized complete redesign from user interface conception to implementation in a 3 month series of sprints
- Performed new team onboarding to finalize and deploy project to client in a 2 month sprint set

Application for Nicaraguan Water Quality and Weather Information   September 2020 - June 2021
React Native, NodeJS, AWS, MySQL
- Created a cross-platform application to share water and weather indicators with members of community
- Compile weather reports from uploaded csv file and user input
- Collaborate with community leaders to deliver information in real-time compared to previous weekly in-person meetings
- Use Expo and Google Play Console to perform end-to-end and user acceptance testing

Alumni Business Registry   April 2020 - December 2021
TerminalFour Web Content Management System, JavaScript
- Designed, built, and published a list of over 150 alumni-owned and affiliated businesses
- Gather user input to grow and update project, including featuring 49 minority and women-owned businesses

SKILLS

C, C++, HTML/CSS, Java, JavaScript, TypeScript, PHP, Python, Ruby | Angular, Vue, NodeJS, Bootstrap, jQuery, Express, Ruby on Rails, React, React Native, Expo, MongoDB | Microsoft Office, Adobe Creative Suite, Google Analytics, Figma.com