

Alexa Grau

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EDUCATION

Santa Clara University | Master of Science in Computer Science and Engineering 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

Operations & Technology Specialist | SCU Alumni Relations July 2022 - Present

Teaching Assistant | SCU Department of Computer Science and Engineering September 2021 - June 2022

JavaScript, Ruby, Ruby on Rails, HTML/CSS

- Guide 119 undergraduate students in learning fundamental concepts of new coding languages and technologies
- Collaborate with professors to develop programming materials and content to promote student engagement
- Maintain mastery of languages and technologies to help students troubleshoot throughout their learning process
- Provide personalized feedback to each student within a 1 week period for over 64 hands-on projects and assignments

Web Specialist | SCU Alumni Relations May 2019 - December 2021

JavaScript, Google Analytics, TerminalFour Web Content Management System

- 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 | Appstrax Technology July - August 2019

Angular, Figma.com

- 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

Languages: JavaScript, Python, Java, Ruby, HTML/CSS, TypeScript, C++, C, PHP

Technologies: React, React Native, NodeJS, Ruby on Rails, Angular, Express, Bootstrap, MongoDB, AWS, jQuery, Expo