Kim Julius Sale

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About me

Recent Computer Science graduate and current Web & App Development student with a strong foundation in modern JavaScript, HTML5, and CSS3. Adept at building responsive, interactive front-end applications and skilled in UI/UX principles, web architecture, and leading JavaScript frameworks (SPA). Eager to apply problem-solving skills and contribute to a collaborative team as a Junior Web Developer, while actively pursuing CIW certifications.

Education

Bellevue College

- Bachelor of Science in Computer Science
- Graduation Date: June 2025
- **Notable Project:** Digital Keys (Capstone Project)
- Relevant Coursework: Data Structures, Algorithms, Software Engineering, Database Systems, Object-Oriented Programming

Ancora Training

- **Web & App Development Program**
- **In Progress:** February 2025 - August 2025
- **Key Learning Areas & Accomplishments:**
  - **Web Fundamentals:** Comprehensive study of HTML5 for structuring web content and foundational principles of web application architecture and operation.
  - **Modern CSS & Design:** In-depth training in responsive web design techniques using modern CSS and practical application of popular CSS frameworks for rapid UI/UX development.
  - **JavaScript Programming:** Intensive instruction in core JavaScript programming concepts (variables, control flow, functions, error handling, state management) with extensive practice in DOM manipulation.
  - **Advanced JavaScript & APIs:** Explored advanced JavaScript topics including asynchronous programming (Promises/Callbacks), Web APIs, AJAX, and JSON data integration.
  - **JavaScript Web Frameworks:** Focused training on Single Page Application (SPA) development, covering custom components, routing, and state management within industry-leading JavaScript frameworks.
  - **Project-Based Learning:** Culminated in the design and development of a complete JavaScript Web application, integrating all learned concepts into a

portfolio-ready project.
  - **Certifications:** Preparation for the CIW Advanced HTML5, CSS3 Specialist and CIW JavaScript Specialist credentials.

Technical Skills

Proficient in a diverse range of technical skills, including:

- **Languages:** HTML5, CSS3, JavaScript (ES6+), Python
- **Frameworks & Libraries:** JavaScript Web Frameworks, CSS Frameworks, React.js, Unity XR Interaction Toolkit, Fmod Studio
- **Web Technologies:** DOM Manipulation, Responsive Web Design, Single Page Applications (SPA), RESTful APIs, AJAX, JSON, MIDI Processing
- **Design & Tools:** UI/UX Design Principles, Code Editors & IDEs, Git, GitHub, npm, Android Studio
- **Concepts:** Web Application Architecture, Asynchronous Programming, Problem Solving, Error Handling, State Management, Agile Methodologies, VR/AR Development, Software Architecture

Projects

Digital Keys (Capstone Project) | Bellevue College | https://github.com/StewartGabriel/Capstone

- **Description:** Collaborated in a team of four to design and develop an interactive Virtual Reality (VR) piano learning application, inspired by Synthesia tutorials. The project aimed to gamify piano learning by visualizing notes in a VR environment, eliminating the need for traditional sheet music.
- **Technologies Used:** Unity, Unity XR Interaction Toolkit, Fmod Studio, Android Studio, Custom MIDI API, Python (for song charting/MIDI processing), Git, GitHub.
- **Key Contributions:**
  - **Software Architecture & Development:** Contributed to the overall software architecture, focusing on the integration of user interface, keyboard input via a custom API, Unity-based visualization, and VR interaction.
  - **Data Processing & Song Charting:** Developed processes for charting songs by iterating through formatted text files and cleaning/formatting unprocessed MIDI data, including handling complex MIDI data parsing.
  - **VR/AR Implementation:** Gained hands-on experience in AR Unity development, including combining UI elements with hand tracking and implementing dynamic menu controls within a VR environment.
  - **Audio Integration:** Worked with Fmod Studio for audio management, addressing challenges related to audio device integration.
  - **Debugging & Collaboration:** Utilized Debug.Log() for in-AR logging and

custom debugging APIs. Collaborated effectively with team members using Git and GitHub, navigating challenges such as pull requests, merge conflicts, and command-line operations.
- ○ **Problem Solving:** Systematically addressed complex technical challenges, including MIDI to VR headset communication and robust MIDI data parsing.

[Name of Your JavaScript Web Project, e.g., Interactive Recipe Finder] | [GitHub Link] | [Live Demo Link (Optional)]

- **Description:** Designed and built a complete [e.g., Single Page Application] as the culminating project of the Ancora Training program, demonstrating proficiency in modern JavaScript web application development. The application [briefly describe the project's core functionality, e.g., dynamically searches and displays recipes based on user input, integrating with an external API].
- **Technologies Used:** [List the main technologies, e.g., JavaScript Web Framework, HTML5, CSS3, REST API, JSON].
- **Key Contributions:**
  - ○ **Front-end Development:** Engineered a highly interactive and responsive user interface, optimizing presentation across diverse devices and achieving a seamless user experience. (Consider adding a quantifiable metric here if possible, e.g., "enhancing user engagement by X%")
  - ○ **Dynamic Features:** Implemented complex JavaScript logic, including asynchronous programming and AJAX requests, to fetch and process JSON data from Web APIs, ensuring dynamic content updates.
  - ○ **User Interface Design:** Applied UI/UX design principles to create an intuitive and visually appealing user experience, focusing on efficient navigation and clear information display.
  - ○ **Code Quality & Debugging:** Wrote clean, modular JavaScript code, employing error handling techniques and debugging strategies to ensure robust application performance and compatibility.
  - ○ **Project Management:** Utilized version control (Git/GitHub) to manage code changes, track progress, and prepare the project for portfolio showcase.

[Name of Your Second Project, e.g., Personal Portfolio Website] | [GitHub Link] | [Live Demo Link (Optional)]

- **Description:** Created a professional portfolio website to showcase my technical skills and personal projects, demonstrating foundational web design and development capabilities.
- **Technologies Used:** [e.g., HTML5, CSS3, JavaScript (vanilla)].
- **Key Contributions:**

- **Web Design & Styling:** Applied principles of design and color theory, along with modern CSS techniques, to style HTML pages for a clean, professional, and responsive aesthetic.
- **HTML Structure:** Developed well-structured and semantic HTML5 to ensure accessibility and maintainability of the website.

Certifications

- CIW: Advanced HTML5 and CSS3 Specialist (1D0-720) - *In Progress*
- CIW: JavaScript Specialist (1D0-735) - *In Progress*

Additional Skills

- **Soft Skills**: Problem-solving, Attention to Detail, Collaborative Teamwork, Adaptability, Self-motivated Learner, Communication, Time Management, Critical Thinking, Initiative
- **Languages**: Tagalog, English