ALEXIS SAN JAVIER

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SUMMARY

Full stack web developer with 4 years of experience mentoring students and building full-stack projects using JavaScript, Node.js, and React. A dynamic, creative, and motivated problem solver with a Bachelor's in Computer Engineering and a Certificate in Full Stack Web Development from The University of Central Florida. Passionate about transitioning into a full-time software engineering role, leveraging expertise in innovative, user-focused solutions.

TECHNICAL SKILLS

- **Front End:** JavaScript, HTML, CSS, React
- **Back End:** Node, Express, RESTful API's, GraphQL
- **Database:** MongoDB, MySQL, Sequelize
- **Other:** Git, Jest, 3D Rendering, OAuth

PROJECTS

Vibestream (2024**)** – Github: github.com/code-guy21/VibeStream | Deployed: https://vibe-stream.net
Web application that synchronizes music playback with an animated 3D scene, providing an immersive user experience
- **Role:** Independently developed and integrated music synchronization, 3D rendering, and full-stack architecture. Managed API integration with Spotify and ensured robust user authentication.
- **Tech Stack**: Node, Express, MongoDB, Passport, React, Redux, Babylon.js, Spotify API

Senior Design (2017**)**
Collaborative project to design and develop an electronic music sequencer.
- **Role**: Led the programming of the sequencer, including the development of the user interface and integration with hardware components. Designed and implemented the control logic for real-time music generation and playback. Coordinated with teammates to integrate electronic schematics with the software, ensuring seamless operation across all components.
- **Tech Stack**: Embedded programming, microcontrollers, electronic components, custom PCB design.

Mars Ascent Vehicle (2016**)**
*Collaborated with a team of students to design, manufacture, and program an autonomous Mars Ascent Vehicle (MAV) as part of the **NASA Student Launch** competition.*
- **Role**: Developed computer vision software using Python and OpenCV, focusing on precise navigation and object detection.
- **Tech Stack**: Python, OpenCV

SaField (2016**):**
*Collaborated with a team of students to build, program, and test a health monitoring system for field workers as part of the **SHPE National Hackathon**, sponsored by Two Sigma, Qualcomm, and General Electric*
- **Role**: Played a key role in developing the mobile application interface, contributing to the team's achievement of 2nd place honors, winning a $5,000 cash prize.
- **Tech Stack**: Java, Android Studio.

WORK EXPERIENCE

2U – Remote   09/2020 – Present
Tutor
- Provide technical support and mentorship in full-stack web development. Assist students with debugging, understanding complex coding concepts, and guiding them through project-based learning. Leverage a strong foundation in JavaScript, Node.js, and React to help students build real-world applications.

SYNAPSE - Orlando, FL   11/2016 – 09/2018
After School Coordinator
- Founding employee responsible for developing program structure, lesson plans, and projects for a roster of ~30 students as part of an after-school STEM curriculum to teach underrepresented minority groups.
- Coordinated program execution and provided engaging and in-depth lecture to students, resulting in positive reviews and enrollment growth
- Successfully planned and executed a robotics challenge as part of The Modern Classroom's educational tour, which led them to become repeat clients and partners.

THE UNIVERSITY OF CENTRAL FLORIDA – Orlando, FL   01/2017 – 05/2018
Research Assistant
- Collaborated with researchers and engineers to develop simulations, run experiments, and troubleshoot testing equipment to ensure consistent and accurate data collection.
- Successfully developed a virtual-reality brain simulation to test the memory and retention rates of medical students, using Unreal Engine and HTC Vive, as part of a study conducted by Dr. Grace Teo

EDUCATION

Certificate in Full Stack Web Development – Orlando, FL   2020
The University of Central Florida

Bachelor of Science in Computer Engineering – Orlando, FL   2017
The University of Central Florida

OTHER RELEVANT INFORMATION

Volunteerism: UNICEF at UCF – Vice President (2015)
Additional Languages: Spanish (Bilingual Proficiency)
Awards: Dean's List—UCF (2015,2017), President's List—UCF (2012)