Sebastian Gutierrez

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GitHub | LinkedIn | Website

EDUCATION:

University of Notre Dame, Notre Dame, Indiana   **Aug 2019 – May 2023**
- B.S. Computer Science, **GPA:** 3.75
- QuestBridge Scholar, Dean's List Spring 2020

RELATED COURSES:

- Fundamentals of Computing**,** Discrete Mathematics, Systems Programming, Data Structures, Logic Design and Sequential Circuits

SKILLS:

- Programming Languages: C, C++, HTML/CSS, Python, MATLAB, JavaScript
- Software and Frameworks: Vim, Git, Unix, Figma, Adobe Suite, Microsoft Office, Bootstrap, Node.js, React
- Languages: English (Native Fluency), Spanish (Native Fluency), German (Conversational Fluency)

EXPERIENCE:

"Galaxy Invest" Early Stage Startup: Remote *SWE, Product Management, and UX/UI Intern*   **Dec 2020 - Present**
- Worked closely with student engineering, design, and business teams to create product concept and high-fidelity application prototype in Figma based off of research, market analysis, CEO vision, and product management insight
- Developed portfolio, dashboard, social feed, and display card features in the app concept and utilized React and Node.js frameworks to implement features in the WebApp

CS For Good: *Websites for Nonprofits Team Member*   **Aug 2020 – Present**
- Communicated closely with local non-profit organization representatives to discuss features, content, and layout of desired websites, using feedback from multiple iterations to solidify final concept on Adobe XD
- Utilized web development tools (HTML/CSS/JS/Bootstrap) to develop website with team members on shared Git repository alongside hosting services to put final product online

"ConcerND" Student Movement: *Website Designer and Developer*   **Mar 2020 - Jan 2021**
- Coordinated with various student writing, graphic design, and marketing/branding teams with Adobe XD to design a working prototype and concept for organization's website
- Utilized HTML/CSS/JS, Bootstrap libraries, and online hosting services to create and maintain static website with emphasis on responsiveness for mobile viewing

Yorba Linda Public Library: *Homework Help Volunteer & Help Desk Technician*   **Jan 2017 – Jun 2019**
- Assisted library visitors with technology questions, helped with upkeep of online library inventory, and served as a primary volunteer for homework help and tutoring of students in grades 6-12
- Provided individualized instruction based on different learning styles, and employed various skills from many years of education to help members of the community with technology, software, and homework questions

PROJECTS:

Maryland Umbrella Group Tutor Portals   **Jan 2021**
- Communicated back and forth with organization to ideate and interpret vision of a child-friendly platform and used Figma to prototype concept
- Worked remotely with team of 3 other classmates to develop tutor and admin portals using Angular on shared Git repository, and integrated credential login system with Firebase cloud storage functionality

Stabilizing Quadcopter Drone and Simulation   **Jan 2020 - Mar 2020**
- Worked with a team of five members to design, test, and assemble a self-stabilizing quadcopter drone
- Integrated knowledge of PID and flight mechanics with circuits, Arduino language, and MATLAB to simulate the physical build's corresponding mathematical model and plan construction of the drone (cut short due to COVID-19)

LEADERSHIP AND PROFESSIONAL DEVELOPMENT:

JobAcademy: *Winter 2021 Pilot Cohort Participant*   Nov 2020 – Feb 2021
- Obtained exposure to environment of early-stage startup company with immersive roles in PM, SWE, and UI/UX design
- Took part in various upskill courses to learn industry skills such as Web Development, Prototyping, and JS frameworks, and applied them throughout experience at Galaxy internship

Engineers without Borders: *Ecuador Water Treatment Project O&M Team Manager*   **Aug 2019 - Dec 2019**
- Led and collaborated with team members to consolidate installed chlorination system's dense operational manuals into a simplified, easy-to-use troubleshooting and maintenance reference guide
- Compiled and generated digital renditions of infographics using Illustrator, and translated final documents into regional Spanish for use by locals while troubleshooting potential issues during life of installed system

ACTIVITIES AND ORGANIZATIONS:

Notre Dame Linux Users Group   **Aug 2020 - Present**
Society of Hispanic Professional Engineers   **Aug 2019 - Present**