Sebastian Gutierrez

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EDUCATION:

University of Notre Dame, Notre Dame, Indiana   **Aug 2019 – May 2023**
- B.S. Computer Science, **GPA:** 3.77
- QuestBridge Scholar, Notre Dame Linux Users Group (LUG), Society of Hispanic Professional Engineers (SHPE)
- **Relevant Coursework:** Data Structures, Systems Programming, Logic Design and Sequential Circuits, Discrete Mathematics

SKILLS:

- **Programming Languages:** Proficient: Python, C, C++, Shell, HTML/CSS, Familiar: JavaScript, MATLAB
- **Software and Frameworks:** Proficient: Linux, Vim, Git, Figma, Bootstrap, Adobe Suite, Microsoft Office, Familiar: Node.js, React

EXPERIENCE:

"Galaxy Invest" Early-Stage Startup: *SWE, Product Management, and UX/UI Intern*   **Dec 2020 – June 2021**
- 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 – June 2021**
- 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 GitHub 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

PROJECTS:

Google Health EMR, Data Structures "Preternship" Project   **Mar 2021 – May 2021**
- Closely communicated with Google industry mentor to formulate an idea for a proof-of-concept project using data structures, given an umbrella set of existing medical health record software problems and motivations for Google's work
- Practiced Agile framework for software development while closely working with a team of 3 classmates on completing a frontend, backend, and database prototype for a mock EMR system in Python using OOP and Tkinter in 3 weeks
- Completed development of functioning software capable of efficiently and meaningfully processing patient data interpreted as class objects, and delivered demo presentation of project overview and functionality to Google

Maryland Umbrella Group Tutor Portals   **Jan 2021**
- 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
- Communicated regularly with organization to ideate and interpret vision of a child-friendly platform and used Figma to prototype concept

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:

Management Leadership for Tomorrow, *Career Prep Fellow*   **Feb 2021 – Present**
- Selected as one of 1,000 for an 18-month professional development program for high-achieving diverse talent
- Complete business case studies and assignments to hone analytical, quantitative, and technical skills
- Attend conferences hosted by industry leaders, such as Adobe, Amazon, LinkedIn, and Apple

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

ADDITIONAL SKILLS AND INTERESTS

Languages: English (Native Fluency), Spanish (Native Fluency), German (Conversational Fluency)
Interests: Entrepreneurship, Health and Fitness, Startups, Education, Social Good, Automation, AI, Sustainability