

Sebastian Gutierrez

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EDUCATION

University of Notre Dame , Notre Dame, IN	May 2023
Bachelor of Science, College of Engineering	GPA: 3.75
Major: Computer Science Honors: Dean's List Spring 2020	

SKILLS

Programming Languages: C/C++, HTML/CSS, Python, MATLAB
Software and Frameworks: Vim, Visual Studio, Linux, UX/UXD, Adobe Suite, Microsoft Office Suite, CAD
Language: English (native fluency), Spanish (native fluency), German (conversational fluency)

TECHNICAL EXPERIENCE

CS For Good	Mishawaka, IN
<i>Websites for Nonprofits Committee, Team Member</i>	August 2020 - Present
<ul style="list-style-type: none">Collaborate with CSE majors to facilitate local community service organizations in their work with CS projectsUtilize knowledge of Web Development (HTML/CSS/JS) to renovate and redesign existing outdated website framework for local non-profit maternity homeImprove visibility and user navigational experience of site by optimizing SEO and layout to contribute to organization's mission of creating positive social impact with an effective and maintainable website	
"ConcerND" Student Movement on Notre Dame's COVID-19 Response	Remote
<i>Frontend Designer and Website Developer</i>	Mar 2020 - Present
<ul style="list-style-type: none">Coordinate with various writing, graphic design, and marketing/branding student teams using Adobe XD to communicate and develop a concept for the organization's websiteUtilize HTML, CSS, JavaScript, and online hosting services to create and maintain a responsive website serving as the hub of the platform's mission, resources, and outreach	
Introduction to Engineering Systems	Notre Dame, IN
<i>Self-Stabilizing Quadcopter Project, Team Member</i>	Jan 2020 - May 2020
<ul style="list-style-type: none">Worked with a team of five members to design, test, and begin assembling a self-stabilizing quadcopter to perform a routine demonstration of its functionality and flight capabilitiesIntegrated knowledge of PID and flight mechanics with circuits, Arduino, and MATLAB to simulate the physical build's corresponding mathematical model and plan construction of the drone (cut short due to COVID-19)	

LEADERSHIP/VOLUNTEER EXPERIENCE

Engineers Without Borders, 2019 Ecuador Water Treatment Project	Notre Dame, IN
<i>O&M Community Reference Team Leader</i>	Aug 2019 - Dec 2019
<ul style="list-style-type: none">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 guideCompiled and generated digital renditions of infographics using Illustrator, and translated final documents into regional Spanish for use by locals to keep system running for years to come to provide clean water	
Yorba Linda Public Library	Yorba Linda CA
<i>Homework Help Volunteer, Shelving Aide, and Tech Assistant</i>	Jan 2017 - Jun 2019
<ul style="list-style-type: none">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 6-12Provided individualized instruction based on different learning styles, and employed various skills from many years to help members of the community with technology and software questions	

ACTIVITIES/ORGANIZATIONS

Notre Dame Linux Users Group, 2020 - Present	Notre Dame Folk Choir, 2019 - Present
Society of Hispanic Professional Engineers, 2019 - Present	Notre Dame Band, 2019 - Present