Sebastian Gutierrez

sgutier5@nd.edu | cell: ▉▉▉▉▉▉ | Campus Address: 425 Siegfried Hall, Notre Dame, IN 46556
github.com/sebmaster36 | linkedin.com/in/sgutier5/ | worldwideseb.me

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 (NDLUG), Society of Hispanic Professional Engineers (SHPE)
- **Relevant Coursework:** Data Structures, Algorithms, Systems Programming, Operating Systems, Database Systems Concepts, Computer Security

SKILLS:

- **Programming Languages:** Python, C, Shell, C++, TypeScript, JavaScript, Java, MATLAB, Clojure, Ruby, PHP
- **Tools and Frameworks:** Django, Flask, SQL, Linux, Vim, Git, Phabricator, Figma, React, Bootstrap, Node.js, HTML, CSS, PyCharm, Kubernetes

EXPERIENCE:

Robinhood Markets Inc: *Backend Engineer Intern, Support Experience Team*   **May 2022 - Aug 2022**
- Wrote a service to populate and power the displaying of an intelligent informational banner at the customer support homepage to inform users of active outages and maintenance issues with the use of a continuously-running polling job and configurable server variables
- Led an effort to deprecate a component of the inquiry processing state machine responsible for many engineering and PM pain points by introducing a database-driven request workflow for the management of in-app deep links into support to replace prior hard-coded solutions
- Directly contributed to a dramatic decrease in the number of Salesforce tickets being created through support, as well as made significant contributions to the team's efforts in increasing company NPS as a result of less friction and improved support infrastructure

OmbreLab: Full-Stack *Software Engineer Intern*   **Jan 2022 - Apr 2022**
- Implemented a caching-like system to pre-compute and store a user's probiotic recommendations to make performance around the Shopify experience more seamless, and also serve as a useful history of previous purchases for customers
- Spearheaded design and construction of new login and registration paradigm and flow that drastically reduced the number of steps in the onboarding process, leading to higher user retention, interaction, and improved overall signup experience
- Designed a series of API endpoints which facilitated the process of safely and atomically combining the sample and account registration process, including robust sanitization, as well as a defense strategy against identified vulnerability to resource availability attacks

"Galaxy Invest" Early Stage Startup: *SWE, Product Management, and UX/UI Intern*   **Dec 2020 - Jun 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 – Jun 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 concept and implement using a basic HTML/CSS/JS stack for static websites

PROJECTS:

- **sebmaster36/macros,** *"IIFYM Diet" Food Finder* - A side project I made while trying to eat healthier to find foods I could eat that fit my macros. Full stack REST API server and client that queries a foods database for items of desired proteins, fats, carbs, etc.
- **sebmaster36/hitsthespot,** *Spotify Playlist Curator* - Fun Bootstrap and Flask Spotify playlist curator app made using the Spotify REST API, centered around a manually designed and populated MySQL database with data obtained by various scraping and parsing means
- **foco,** *Focus Keeper and Task Manager* - A Productivity management application to keep track of tasks, time management, and provide an analytics dashboard with time allocation insight which I used to teach myself the Django REST framework
- **awalton3/mughub,** *"Maryland Umbrella Group" Student Tutor Portal* - Volunteer effort across a team of 4 to design a central homepage for a tutoring organization in Maryland to assist their educational mission. Utilized Angular, Firebase, and Figma

LEADERSHIP AND PROFESSIONAL DEVELOPMENT:

Code2040, *Finalist and Program Fellow*   **Oct 2021 – Aug 2022**
- Applied and accepted to join a cohort of Black & Latinx college computer science students passionate about racial equity advocacy in the tech sphere to engage with and do work towards the dismantling of barriers and obstacles to minority success in the field
- Participated in panels, workshops, mentorship and learning events, discussions, and various forms of programming on how to succeed in, navigate, and redefine the industry as the next generation of leaders

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

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