

## EDUCATION

**University of Notre Dame, Notre Dame, IN**

**Class of 2024**

College of Engineering, *Bachelor of Science in Computer Science*

**GPA: 3.60/4.00**

**Major:** Computer Science | **Minor:** Engineering Corporate Practice

Spain Engineering Summer Study Abroad, Summer 2022 || Silicon Valley Semester Abroad, Spring 2023

**Coursework:** Operating Systems, Systems Programming, Databases, Computer Security, Data Structures, Microeconomics, Theory of Computing

## SKILLS

*Skills:* Python, C, C++, Linux, JavaScript, HTML, CSS, MySQL, AWS, React JS, Node JS, MATLAB, Solid Works, ARM Assembly, Git, Git Hub

*Certificates:* Microsoft Technology Associate: Security Fundamentals | MTA: Database Administration Fundamentals *Other:* Fluent Spanish

## WORK EXPERIENCE

**Copia PBC, Full Stack Developer, Palo Alto, CA**

**Spring 2023**

- Actively support the logistics and analytics of commercial food donations at a rapidly growing startup by developing, maintaining, and improving the Web Portal used by thousands on a daily basis. I work with a handful of developers to facilitate seamless data management and processing utilizing technologies and frameworks such as React JS and Kotlin.
- Utilize front-end frameworks and libraries such as Semantics UI and Redux to deliver user-friendly interfaces and streamlined workflows for managing donations and matching them with recipients. Implement API endpoints to manage these requests.
- Perform frequent code reviews and actively participate in weekly Agile Sprints standups while adhering to industry best practices to ensure codebase quality and maintainability.

**Notre Dame CSE Theory of Computing, Teaching Assistant, Notre Dame, IN**

**Fall 2022**

- Provided support to student learning the fundamental concepts that form the backbone of the field of Computing including Combinational Logic, Complexity, Finite Automata, Pushdown Automata, and Turing Machines.
- Held Office Hours to help guide and teach students, grade assignments, and grade exams.

**Ernst & Young, Software Engineer Intern, Chicago, IL**

**Summer 2022**

- Integrated into a cross-functional team of developers, designers, and business analysts in the midst of building a web platform for American Public Life Insurance Company.
- Developed and deployed over 30 RESTful API endpoints to support the platform's core functionality and enable seamless data exchange to the DynamoDB server.
- Collaborated effectively with a multifaceted team of skilled professionals and delivered weekly project milestones to ensure timely completion of critical tasks.

## PROJECTS

**Spanky's Pizza Restaurant Platform, Full Stack Developer, Notre Dame, IN**

**Fall 2022**

- Designed, developed, and deployed a website for the O'Neill Family Hall's kitchen alongside two other team members. This application was built in React, Node, Express, and MySQL. It was deployed and hosted using Planet Scale, Amplify and EC2, AWS platforms.
- Implemented an optimized client ordering experience, resulting in a 60% reduction in ordering time, through the creation of an intuitive user interface that simplifies the server-client interaction. Additionally, designed an estimated wait algorithm that factors in queue length and past turnaround times, and automatically sends out notifications when orders are completed and ready for pickup.

**Islander Puerto Rico, Frontend Developer**

**Fall 2022**

- Constructed a captivating static website, serving as the quintessential guide for visitors exploring my charming Caribbean island. Recognizing the value of an insider's perspective when traveling, Islander PR reveals my top picks and provides expert recommendations for the finest restaurants, beaches, and attractions.

**Spanish Interview Preparation Videos, Latino Educational Content Creator**

**Fall 2022**

- Produced a series of interview preparation videos in Spanish to fill a gap in online resources for Hispanic job seekers. Break down data structures and algorithm through comprehensive, easy-to-follow diagrams and heuristics.

**Artificial Intelligence Connect 4 Program, Software Engineer & Project Manager, Notre Dame, IN**

**Spring 2022**

- Developed and implemented an unbeatable AI-powered Connect 4 program using the Mini-Max algorithm in Python. Produced a game interface with different modes as well as distinct levels of difficulty. Successfully collected over 500 game plays and 70 survey responses, providing ample information to improve the user experience.
- Conducted weekly code reviews and composed professional memorandums documenting project progress, while proactively identifying and addressing potential setbacks and issues. As the leader of the group, assigned tasks and distributed resources among the members based on individual strengths.

## ACTIVITIES AND LEADERSHIP

**Color Stack, Fellow, Palo Alto, CA**

**Spring 2023-Present**

- Actively engage with underrepresented Black and Latinx professionals and students' community in the tech industry.
- Receive technical training to set and accomplish career advancement objectives and provided mutual guidance and resources.

**Building Bridges Club, Mentor, Notre Dame, IN**

**Fall 2020-Present**

- Currently lead a group of first-year Computer Science students on their transition from high school to college, serving as a tutor and a mentor in a variety of aspects like specific class guidance and/or general Notre Dame adaptation.

## INTERESTS

*Interests:* Eagle Scout | Real Madrid | Security Investing | Web Development | Cyber Security | Database Administration | Chess | Entrepreneurship