

# Isa Dominguez

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## EDUCATION

### Vanderbilt University

Nashville, TN

**Majors:** Computer Science, Cognitive Studies, and Applied Mathematics **Minor:** Data Science

Aug 2022 - May 2026

**Cornelius Vanderbilt Scholar:** 4 year full tuition scholarship

GPA: 4.00

## EXPERIENCE

### Google

Seattle, WA

Software Engineering Intern

May 2025 - August 2025

- Implement WorkloadAllowlist autogeneration for customer driven allowlisting feature in Google Kubernetes Engine
- Improve usability and reduce time spent on privileged workload deployment by streamlining the allowlist creation process

### McMaster-Carr

Elmhurst, IL

Systems Intern

June 2024 - August 2024

- Full-stack, sole developer on a web application that allows employees to filter and view customer search data and trends; Application reduced reliance on data source with a known limited lifespan and preserved production system integrity
- Integrated a ReactTS frontend with C# backend to display results of 12 SQL stored procedures based on user input

### Advancing Learning Lab (ALL)

Nashville, TN

Research Assistant

August 2024 - Present

- Develop metacognitive training interventions to integrate into Carnegie Learning's 6th-8th grade MATHia curriculum
- Conduct data analysis in R on 16,000+ rows of pilot data to explore how metacognitive intervention affects performance

### Vanderbilt University

Nashville, TN

Course Assistant, Teaching Assistant, Grader

January 2023 - Present

- CS 2201 (Data Structures): Hosted 4 weekly office hours to help students think about, efficiently implement, and debug their code; Graded and debugged weekly programming assignments and worked collaboratively to assess midterms
- MATH 1200 (Single Variable Calculus I): Coled 2 weekly discussion sections for 24 total students; Participate in weekly content meetings with the course assistant team and engage in a weekly STEM pedagogy seminar
- PSY-PC 1205 (Minds, Brains, Contexts, and Cultures): Hosted weekly office hours, led monthly review sessions, and collaborated with professor during 1-on-1 weekly content meetings; Assessed student papers and exams, tracked attendance and participation, and served as the first point of contact for students seeking help

## TECHNICAL PROJECTS

### Her Future Coalition

Nashville, TN

Software Developer

October 2022 - April 2023

- Full-stack developer on a ReactJS data management application for Her Future Coalition, a nonprofit which works to break cycles of gender-based violence through education and diverse services to 500+ young women in India and Nepal
- Utilized the MERN tech stack to implement beneficiary registration form, beneficiary views, and associated API endpoints

## ACTIVITIES AND LEADERSHIP

### Change++

Nashville, TN

President (April 2024 - Present); Vice President of Marketing (April 2023 - April 2024)

April 2023 - Present

- Assess 200+ applicants through technical and behavioral measures to lead the recruitment of 50 developers, 16 managers, 5 designers, and 8 mentors; Maintain consistent year long communication with managers and mentors
- Recruit and manage an executive board of 15 members through weekly board, presidents, and subcommittee meetings
- Increased number of applications by 57% through extensive marketing of the club, resources, and informational sessions

### Women in Computing

Nashville, TN

Grace Hopper Celebration Scholarship Co-Coordinator (2024)

September 2022 - December 2024

- Spearheaded Grace Hopper Celebration scholarship initiative; hosted 44 interviews to select 13 scholarship recipients
- Provide professional development advice, host 1-on-1 preparation meetings, and maintain contact with faculty sponsors

**Languages:** Java, C++, Javascript, Typescript, R, Python, SQL, Go, C#, Prolog

**Technologies:** React, MongoDB