

Isa Dominguez

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EDUCATION

Vanderbilt University

Nashville, TN

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

Expected May 2026

Cornelius Vanderbilt Scholar: 4 year full tuition scholarship

GPA: 4.00

EXPERIENCE

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 a 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

Teaching Assistant

January 2023 - May 2024

- CS 2201 (Data Structures): Hosted 4 weekly office hours to help students to think about, efficiently implement, and debug their code; Graded and debugged weekly programming assignments and worked collaboratively to assess midterms
- 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

Park District of Highland Park

Highland Park, IL

Girls Play Strong Camp Director (2023); Counselor (2022)

June 2022 - August 2023

- Responsible for 36 girls ages 7-11 for 6 hours each weekday; Entertained campers with artistic, athletic, and educational activities; Upheld a supportive environment for campers and counselors to understand their worth in our community
- Oversaw 5 staff members and maintained daily communication with a supervisor, parents, and park district employees
- Supported campers and staff after a local mass shooting and helped community readjust to everyday life with normalcy

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 the beneficiary registration form, beneficiary views, and associated endpoints

Vanderbilt Data Science Club

Nashville, TN

Software Developer

November 2022 - April 2024

- Integrated computer vision technologies into ReactJS webpage for ThriftSmart to segment and price their donations
- Utilized machine learning regression models to develop a data dashboard to visualize locals' opinions on Centennial Park

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)

Sep 2022 - Present

- 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

AWARDS, SKILLS, AND INTERESTS

Awards: National Merit Finalist, High School Valedictorian, Medal of Honor (1 student chosen out of ~500 high schoolers for exceptional character), AP Scholar with Distinction, Cornelius Vanderbilt Scholar (4 year full tuition scholarship)

Languages: C++, Java, Javascript, Typescript, R, Python, SQL, C#, Racket, Prolog **Technologies:** React, MongoDB