

Miles Sitcawich

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EDUCATION

Vanderbilt University

Bachelor of Engineering, Chemical Engineering

Nashville, TN

Expected May 2024

Double Major: Applied Mathematics

Minors: Computer Science, Physics, Chemistry

GPA: 4.00/4.00

ACT: 35

Honors: William A. Ma Award (Most Outstanding Sophomore in ChemE), 1st Place AIChE Poster Competition, Professor's Distinguished Junior Award, TBP, ΣΠΣ, ΠME, Dean's List (all semesters), National Merit Scholarship Recipient, National AP Scholar, Minnesota Triple-A Award (Athletic, Academic, Artistic), Japanese-American Citizens League Scholarship

EXPERIENCE / LEADERSHIP

BlackRock

Atlanta, GA

Software Engineer Intern

June 2023 – Present

- Member of the Channels & Experience (CE) UX Engineering & Design team within Aladdin Engineering (formerly Aladdin Product Group) with a primary focus on the Aladdin Experience Framework (AXF)
- Worked on transitioning testing for the micro-front ends from Jest to Cypress

Tau Beta Pi

Nashville, TN

Vice President

March 2023 – Present

- Organized social events, managed the budget, and increased matriculation rates into the chapter

Vanderbilt Women's D1 Soccer

Nashville, TN

Practice Player

January 2023 – Present

- Trained with the team for 4 days a week (6 hours)

Vanderbilt Men's Club Soccer

Nashville, TN

President

December 2022 – Present

- Organized practices, games, scrimmages, tryouts, and social events, in addition to managing the club's budget
- Created promotional posters to publicize our games and increase club's presence on campus

Secretary

December 2021 – December 2022

- Presided over team Instagram page and grew its following by 80%, took practice attendance, assisted president in gathering equipment, performed team laundry, distributed release forms to away teams and arranged ice and coolers at home games
- 15% tryout acceptance rate; 4 hours of practice each week and 5 games per semester

Vanderbilt University

Nashville, TN

Undergraduate Teaching Assistant

January 2022 – Present

- Graded homework for Math 2300 Multivariable Calculus (fall '22, 4 hrs/wk) and Math 2420 DiffEQs (spring '23, 5 hrs/wk)
- Held office hours for the Physics Department (fall '22, 4 hrs/wk)
- Graded exams & programming assignments and held office hours in CS 1104 Programming w/ Python (spring '22, 5 hrs/wk)

Vanderbilt University, Young Lab, Chemical and Biomolecular Eng. Dept. (Focus: metabolic eng.)

Nashville, TN

Undergraduate Researcher

January 2022 – September 2022

- Performed cyanobacterial genetic transformation, metabolite extraction and derivatization, GCMS, and GCMS data analysis for 6 hrs/wk during the semester and 40 hrs/wk over the summer
- Used machine learning and other data science techniques to improve lab's proprietary program, MUISCA, namely the sections that predict compound composition from molar mass and the validity of a potential compound from GCMS M1/M0 ratios

INDEPENDENT PROJECTS

"Are You Smarter than a 5th Grader?" Quiz game

May 2022 – July 2022

- Used React and CSS to create a quiz game inspired by the TV show and YouTube video renditions
- Click through 10 questions, answer buttons light up green/red depending on choice, score tracked throughout

Online Portfolio

May 2022 – July 2022

- Used HTML, CSS, and GitHub Pages to host website about me with links to other projects

INTERESTS, SKILLS, & CERTIFICATIONS

Software: (Proficient): C++, Python; (Familiar): MATLAB, Excel, HTML/CSS, React, Git, Quartus, Aspen

Certifications: SAcHE ELA950 (2021), SAcHE ELA951 (2021), SAcHE ELA962 (2023)

Interests: Cooking, Politics, Weightlifting, Running, Soccer, Anime, Chess, Poker