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U.S. Citizen

## EDUCATION

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### Vanderbilt University

Nashville, TN

- Candidate for BS in Computer Science, BA in Economics
- Candidate for minor in Data Science
- Relevant Coursework: Linear Algebra, Statistics, Data Structures & Software Design, Discrete Structures & Algorithms, Digital Systems & Operating Systems

August 2020 - May 2024

GPA: 3.74/4.00

### Carnegie Mellon University

Pittsburgh, PA

- Relevant Coursework: Principles of Imperative Computation, Concepts of Mathematics

July 2019

## EXPERIENCE & PROJECTS

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### Vanderbilt University Digital Systems

Nashville, TN

*Teacher's Assistant*

August 2021 – Present

- Tutored 33 students in logic, organization, and assembly language programming. Aided in the transition to an online question-and-answer platform for students to anonymously seek coursework help.
- Assisted professor in grading homework and exams. Standardized scoring and improved answer-keys for future use.

### Amador Bioscience

Pleasanton, CA

*Machine Learning Intern*

July 2021 – August 2021

- Used R and XGBoost to analyze research patient data and determine feature importance. Regularly reported analysis methods and results to company executives. Results were used to determine drug efficacy and guide future research objectives.

### Yale Young Global Scholars

New Haven, CT

*An Insight into China's Investments in Kenya*

June 2019 – July 2019

- Studied cybersecurity, internet development, and international software law with Professor Asaf Lubin.
- Conducted and presented a case study of China-Kenya relations and the influence of foreign aid on state sovereignty. Presentation was noted by supervisors as most engaging during capstone convocation.

### Carleton College Summer Quantitative Reasoning Institute

Northfield, MN

*What's Your Beef: The Effect of Visual Representation on Framing*

July 2018 – August 2018

- Led a student behavioral economics team to analyze psychological framing from product packaging. Conducted an Amazon MTurk experiment on consumer ratings with 219 participants. A trend was observed but a 2-by-3 analysis of variance indicated no statistically significant difference in consumer ratings based on differences in meat product packaging.
- Presented research results to university faculty by poster, presentation was chosen by spectator vote as "most professional".

## SKILLS & INTERESTS

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Python, R, C++, C, HTML/CSS, JavaScript, Visual Studio Code, Git, GitHub, CLion, PyCharm, RStudio, Amazon Mechanical Turk, LaTeX, Autodesk Fusion 360, Google Workspace, Microsoft Office, Adobe Illustrator & Photoshop, ROS, Assembly. Interest in video editing, web design, digital art, snowboarding, tennis, alto saxophone.

## LEADERSHIP & ACTIVITIES

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### Vanderbilt VandyHacks

Nashville, TN

*Design Board Member*

February 2022 – Present

- Currently oversee Vanderbilt University's Ninth Hackathon website design and development. Website will be used by hackers, staff, and mentors to register for and locate information for the university's annual hackathon next fall semester.

### VURobotics

Nashville, TN

*Student Member*

January 2021 – August 2021

- Worked with Camera Sub-team to implement robot vision and compete in the NASA Lunabotics Competition.

### DVHS Robotics Summer Camp

San Ramon, CA

*Volunteer Student Instructor*

June 2017 – July 2019

- Organized curriculum for a two-week student-led program and coached middle schoolers interested in robotics.

## HONORS

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USA Computing Olympiad **Gold Division Challenger** (2019), VEX Robotics California State Championship **State Runner-Up** (2019)