

# ANNA ZHANG

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## EDUCATION

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**Vanderbilt University** – GPA: 3.85/4.0

Expected Graduation: May 2022

*Bachelor of Arts in Economics, Computer Science*

- Selected Coursework: Programming Design & Data Structures, Algorithms, Programming & Problem Solving, Discrete Structures, Multivariable Calculus, Econometrics, Economic Statistics

**Technical Skills:** Java, Python, C++, HTML/CSS, R

**Achievements:** Lime Connect Fellow, Dean's List, National Merit Scholar, National AP Scholar

## EXPERIENCE

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**Program Manager Intern**

May 2020 – Aug. 2020

*Microsoft*

- Researched, developed, and launched a security dashboard for internal usage, resulting in a 400% decline in overdue critical security bugs 2 weeks after the dashboard's deployment.
- Developed automated notification workflows, saving 12 hrs of work/week for the security PM team.
- Researched and established a process for evaluating the efficacy of static analysis security rules.

**Computer Science Instructor**

May 2019 – Aug. 2019

*Juni Learning*

- Taught students programming and problem solving skills in Python through personalized lessons.
- Developed supplementary coding projects and designed changes to the existing Python curriculum.

**Software Engineering Intern**

Jul. 2018 – Aug. 2018

*Phone2Action*

- Created improvements to a customer product ("live map") using CSS, HTML, Github, and Mapbox.
- Increased maximum storage of map datapoints from 500 to 10,000 through backend improvements.
- Fixed multiple high-priority usability issues of the product through collaboration with the UI/UX team.

**Research Assistant**

Jul. 2017 – Aug. 2017

*Georgetown University Lombardi Cancer Center*

- Analyzed cell image data to study the effect of immune cell count on cancer severity using Java.
- Converted 500+ cancer cell slides into processable images to use as data in the cancer cell study.

## LEADERSHIP

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**VandyHacks** | *Senior Advisor, former Logistics Board*

Jan. 2018 – Present

- Organize and direct VandyHacks, a 36 hour collaborative coding challenge for students across the US.
- Plan the venue, food, & transportation for 600+ attendees using \$80,000+ in sponsorship funds.
- Promote a culture of innovation in the Vanderbilt community through mentorship and coding events.

**Percentage Project** | *Vanderbilt Campus Director*

Aug. 2020 – Present

- Raise awareness about minority representation in computer science through a collaborative social media movement across 9 different universities.
- Conduct surveys to find and address disparities faced by minorities within computer science.

**Vanderbilt Performing Arts Community** | *Outreach Director*

Jan. 2018 – May 2020

- Oversaw the auditions, practice, and performance scheduling for 28 performing arts groups on campus.
- Directed semi-annual arts showcases, with 90+ attendees and \$2000+ raised for charity in 2019.