

# Dorothy Zhao

dorothyzhao@princeton.edu | 5383 Frist Center | Princeton, NJ 08544-1157 | (267) 567-4513

## EDUCATION

Princeton University, Princeton, NJ

Expected June 2021

A.B. Candidate

- Concentration: Computer Science | Minors: Statistics & Machine Learning, Asian American Studies | GPA: 3.98/4.00
- Relevant Coursework: Algorithms & Data Structures, Computer Graphics, Computer Systems Design, Advanced Programming Techniques
- Awards: Shapiro Prize for Academic Excellence 2017-18, Outstanding Work by an Underclassman in Creative Writing, Coca-Cola Scholar

## WORK EXPERIENCE

Goldman Sachs, New York, NY

Investment Banking Summer Analyst (Financial Institutions Group)

July 2020 - Present

Investment Banking Sophomore Summer Analyst (Financial Institutions Group)

June 2019 - August 2019

- Advise clients in the financial technology and asset management space on M&A and equity financing transactions
- Analyzed key performance indicators of 15 payment processor and point-of-service companies to determine potential acquisition targets
- Prepared case study on merger-of-equals using merger analysis, discounted dividend model, public company, and precedent transaction analysis

Roost Travel Co., Boston, MA (Remote)

Interim CTO

March 2020 - Present

- Built the company's entire listing platform using React and the Sharetribe Flex API, allowing users to directly list their vacation stays on the site
- Worked directly with the CEO to plan and implement the visual redesign of the website and booking platform

Partnership for Public Service, Washington, D.C.

Research & Evaluation Intern

June 2018 - August 2018

- Compiled and synthesized 78 agency priority plans from 23 government agencies to produce an informational brief on customer experience in the government that was used in the firm's outreach material to Congress members
- Analyzed the information technology budgets of 15 cabinet agencies and created IT dashboards for 2020 Presidential transition teams

Stigma and Social Perception Laboratory, Princeton, NJ

Undergraduate Research Assistant

September 2017 - May 2019

- Assisted Professor J. Nicole Shelton on audit study exploring the representations of diversity in college admissions materials
- Developed a text analytics algorithm and utilized a qualitative content analysis coding schematic to evaluate over 1,000 collected data points
- Led efforts to automate collection process of large-scale data using Twitter API

E3: Education Equals Empowerment, Newtown, PA

Founder & President

November 2014 - September 2017

- Founded E3: Education Equals Empowerment, a non-profit organization that inspires girls' interest in STEM through hands-on activities
- Ran monthly workshops and weekend seminars attended by over 1,000 third and fourth grade female students at 6 partner elementary schools

## LEADERSHIP EXPERIENCE

Asian American Student Association (AASA)

Co-President

January 2019 - February 2020

- Managed an executive board of 14 undergraduate students to plan weekly roundtables, speaker series, and cultural events for Princeton's largest undergraduate student club serving over 300 members

The Daily Princetonian

Head Editor of The Prospect

September 2018 - February 2020

- Spearheaded the *Daily Princetonian's* digital-first initiative by creating *The Prospect*, the newspaper's arts and culture blog
- Managed team of twenty columnists as well as assigned, edited, and created graphics for daily articles

## PROJECT EXPERIENCE

Driver's Ed (<https://tinyurl.com/driversed426>)

May 2020

- Worked in a team of 4 to create an infinite-runner driving game through Princeton using three.js and HTML/CSS
- Won Best Art Direction Award and third place project (out of 32 teams overall) in COS 426: Computer Graphics course

Espresso (<http://coffeeclub.princeton.edu>)

September 2019 - January 2020

- Led a team of 5 to create a mobile ordering web application for the Coffee Club, a student-run coffee shop at Princeton
- Managed external stakeholder relationships with Princeton University administrators and Coffee Club owners
- Wrote server-side code to process client requests using the Flask REST framework and client-side code using ReactJS with Axios

## SKILLS, ACTIVITIES, & INTERESTS

Languages & Frameworks: Python, Javascript, HTML/CSS, Java, C, SQL (Postgres, MySQL), R, React, Django, Flask

Tools: Adobe Design Suite, Figma, Sketch, Microsoft Office Suite

Activities & Interests: Cap & Gown Club (Tech Chair), Commencement Committee, ultimate frisbee, creative writing