

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, Certificates: Asian American Studies & Machine Learning | GPA: 3.97/4.0
Relevant Coursework: Algorithms and Data Structures, Principles of Computer System Design, Advanced Programming Techniques
Awards: Shapiro Prize for Academic Excellence 2017-18, Outstanding Work by an Underclassman in Creative Writing

Council Rock High School North, Newtown, PA June 2017
GPA: 4.0/4.0 | SAT: 2400 (Mathematics: 800, Critical Reading: 800, Writing: 800)
Awards: Valedictorian, Coca-Cola Scholar, United States Presidential Scholar Semifinalist, National AP Scholar

WORK EXPERIENCE

Goldman Sachs June 2019-August 2019
Classics Investment Banking Summer Analyst (Financial Institutions Group)

- Drafted committee memorandum following \$400mm issuance of preferred stock by client company, including projecting company financials, and presented to senior leadership
- Performed company and industry analyses for clients in the fintech sector, preparing pitch books for potential M&A and buy-side deals

Partnership for Public Service, Washington, D.C. June 2018-August 2018
Research & Evaluation Intern

- Conducted background research on five government agencies and collaborated with internal team and executive sponsor, Accenture Federal Services, to prepare an issue brief on improving citizen experience in the federal government
- Compiled and synthesized 78 agency priority plans from 23 government agencies to create a data point on customer experience in the government that was used in the firm's outreach material to members of Congress

Social Stigma and Perception Laboratory, Princeton, NJ September 2017-June 2019
Undergraduate Research Assistant

- Assisted Professor J. Nicole Shelton with an audit study exploring the representations of diversity in college admissions material
- Evaluated 600 colleges' mission statements using a quantitative content analysis coding schematic and developed an algorithm that implemented text analytics to sort over 1,000 collected data points

E3: Education Equals Empowerment, Newtown, PA November 2014-September 2017
Founder & President

- Founded E3: Education Equals Empowerment, a non-profit organization that inspires girls' interest in STEM through hands-on activities such as afternoon workshops and weekend seminars
- Ran monthly STEM workshops at 6 partner elementary schools attended by over 1,000 3rd and 4th grade female students

LEADERSHIP EXPERIENCE

Asian American Student Association (AASA) January 2019-January 2020
Co-President

- Manage an executive board of 14 people to plan weekly roundtables, speaker series, and cultural events for our organization, which serves over 300 undergraduate members

The Daily Princetonian September 2018-January 2020
Head Editor of The Prospect

- Founder and head editor of *The Prospect*, the *Daily Princetonian's* culture blog, which is at the forefront of the organization's digital first initiative
- Manage a team of twenty columnists, assigning articles to be published on a daily basis, in addition to editing and creating graphics each article

PROJECT EXPERIENCE

Voices Untold: Transcribing Asian-Accented Oral Histories (Independent Research Project)

- Created a speech-to-text transcriber for Asian-accented oral histories with built-in features, such as timestamps and oral history metadata
- Used Microsoft Cognitive Speech Services to create the transcriber as well as train the language model and a Flask framework along with HTML/CSS/jQuery to develop the frontend of the web application

Espresso (<http://coffeeclub.princeton.edu>) September 2019-January 2019

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

Kavanaugh Hearing Twitter Scraper November 2018

- Spearheaded efforts to automate large-scale data-processing at the Princeton University's Social Stigma and Perception Laboratory
- Created a web scraper using Python and the Tweepy module to scrape a random sample of 4000 user timelines, allowing researchers to analyze tweets for race-based macroenvironmental stressors

TECHNICAL SKILLS

Programming Languages: Python, Java, C, Go, Javascript, R
Additional Tools: Django, Flask, SQL, ReactJS, HTML/CSS, RESTful APIs