

Katherine Oung

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EDUCATION

Vanderbilt University

GPA: 3.99

Bachelor's in Computer Science and Political Science, Minor in Data Science

Expected: May 2025

Scholarships: John Seigenthaler, Kovner Foundation

Coursework: Data Structures and Algorithms, Discrete Structures, Digital Systems, Intro to Data Science, Programming and Problem Solving with Python, Policy Data Analysis, Economic Statistics

EXPERIENCE

Data Journalism Intern

Jun. 2023 – Aug. 2023

Dow Jones, Indianapolis Star

Indianapolis, IN

- Wrote investigative story with interactive visualizations of trends in transportation accidents, analyzing 200K+ lines of data in **Python, R, SQL**
- Built responsive dashboard with **Django**, providing audience access to 100K+ state employees' compensation data
- Spearheaded/led data analytics efforts for 50+ person team, garnering 400k+ monthly page views across 6 projects

Code Developer Intern

Jan. 2023 – May 2023

Data Science Institute at Vanderbilt University, Nashville Arts and Business Council

Nashville, TN

- Collaborated with clients through agile workflows to create a dashboard in **RShiny** for 30+ stakeholders
- Contributed 5K+ lines of exploratory data analysis and interface development code to codebase using **Git**
- Leveraged survey methodology and novel marketing approaches, resulting in an 18% increase in survey retention

Research Assistant, Data Subteam

Aug. 2022 – Ongoing

Vanderbilt Research on Conflict and Collective Action Lab, Latin American Public Opinion Lab

Nashville, TN

- Leveraged **BERT/BART** in **Python** to train a ML model to descriptively label 10K+ lines of protest data
- Transformed 500k+ lines of raw data into succinct statistical models and data visualizations using **R** and **Stata**
- Developed **R** script to transform raw interview transcripts into clean data, leading to 15% increase in efficiency
- Published 14-page data-driven report on Latin American citizens' political opinions in academic journal
- Proofread and revised 7 reports by testing/debugging fellow researcher's code in **Stata**

Data Editor, Newsroom Operations Director

Jun. 2022 – Ongoing

The Vanderbilt Hustler Newspaper

Nashville, TN

- Conceptualized and established new Hustler Data Section, hiring and leading 12 staffers
- Oversaw production of 100+ data visualizations using **Datawrapper** and **Flourish** with data analyzed in **R**, garnering 52K+ monthly page views
- Developed website design using **Javascript** to dynamically visualize 500+ survey responses across student body
- Previously as Managing Editor oversaw a 200+ person staff while editing and publishing 30+ articles per week using AP Style
- Contributed 60+ reporting, writing, and photography bylines

Freelance Journalist

June 2019 – Ongoing

Self-Employed

Remote

- Pitched and reported 10+ written and audio news, feature, and essay articles in The New York Times, Vox, Ms. Magazine, Teen Vogue, Nashville Scene, garnering 2M+ page views
- Pitched, wrote, filmed New York Times opinion video with 1M+ views across platforms
- Contributed 14 profiles of youth killed by gun violence for Since Parkland by The Trace, winning the Pro-Am Student Award and Global Youth & News Media Award, finalist for Online Journalism Awards

TECHNICAL SKILLS

Languages: Java, Python, R, Stata, SQL; (Learning) JavaScript, HTML/CSS

Libraries and Frameworks: Django, RShiny, pandas, NumPy, Matplotlib

Applied Tools: Git, LaTeX, Amazon Web Services, Figma, Datawrapper, Flourish, Tableau, Infogram, Adobe Creative Cloud, Microsoft Office