William David Jarrett

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Education

Columbia University | New York

2020–21   M.S. Data Journalism

Reporting with a focus on using data to uncover and visualize stories. Articles include: Bronx community groups creating their own internet networks during the pandemic; green roofs spreading in New York thanks to city research and new laws; and US legislators lagging behind voters on climate change. Awarded honors in "Writing with Data" and "Digital Mapping" classes.

Oxford University | Oxford

2014–17   B.A. English Language and Literature

Awarded the Fitzgerald Prize for attaining First Class Honors, the Quarrel Read Prize for making an exceptional contribution to college life, and the Skeat-Whitfield Prize for academic excellence in final-year coursework. Published non-fiction articles and essays in magazines *The Exeter Egg* and *The Oxford Forum*.

Work Experience

2021–2024   **Data Reporter | Mission Local | San Francisco**
- Created static and interactive maps and charts for a wide range of data-led stories.
- Covered five local elections with dashboards, analyses, vote explorers, and deep dives on political spending, including a collaboration with Guardian US to investigate the influence of tech billionaires.
- Developed interactive tools like an inflation tracker, searchable databases, and a weekly quiz.
- Reported general assignment and investigative stories, including police hoping to authorize lethal use of robots, teacher payroll errors, and tensions between gardeners and businesses.
- Won several awards including: NorCal Society of Professional Journalism's 2022 data viz award; Institute for Nonprofit News' 2023 Community Champion award; and first place in Feature Design from the San Francisco Press Club in 2023. Part of the team that won the Online News Association's national General Excellence award for a micro-newsroom in 2022.

2022   **Teaching Assistant | Columbia University | New York**
- Helped students with coding and design in Columbia's data journalism mapping class.

2018–20   **Editor | Oxford University Press | Oxford**
- Wrote, edited, and proofread resources for parents, teachers, and children. Worked on print books and on Oxford University Press' primary education website, Oxford Owl.
- Developed digital tools and subscriptions, such as the *Floppy's Phonics* package of online activities and an interactive guide to help parents determine their child's reading level.
- Produced storytelling and explanatory videos for YouTube.

Projects

- **Your neighborhood in data**: Created a web app using JavaScript and Mapbox to help San Franciscans explore census data.
- **Formula for the perfect novel**: Used data from Goodreads to figure out patterns in popular books. Scraped titles using Beautiful Soup and ProtonVPN, analyzed data with pandas, created graphs with Altair, Illustrator, and ai2html.
- **Climate score beeswarms**: Visualized climate voting data using D3 force simulation, filters, and tooltips. These graphics were used by the environmental non-profit Climate Cabinet.
- **Crossword web app:** A responsive crossword web app made in JavaScript, with design based on the New York Times' game.

Skills

- **Web**: HTML, CSS, JavaScript, D3, scrollama, Mapbox, Metashape, WordPress, Refinery.
- **Data and workflow**: Python, APIs, JSON, GeoJSON, GitHub, Jupyter Notebook, Beautiful Soup, Selenium, pandas, geopandas, regex, scikit-learn, Altair, QGIS, the Adobe Creative Cloud including Photoshop and Illustrator, Trello, Jira, Slack.
- **Multimedia**: Electronic music composition with Audiotool and FL Studio. Working knowledge of Audition and Premiere Pro.
- **Fiction writing**: Published in multiple short story anthologies. Awarded £1000 prize in the 2009 HG Wells story competition.