William David Jarrett

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Education

Columbia University | New York

2020–21   M.S. Data Journalism

Training in investigative and explanatory reporting with a focus on using data to uncover and tell stories. Articles include: green roofs spreading in New York thanks to city research and new laws; scientists using a virus to fight algal blooms; 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*.

Experience

2018–20   **Editor (2019–20) and Assistant Editor (2018–19) | 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.
- Worked on audience development, boosting the reach of Oxford Owl. Pageviews grew from around 1 to 3 million per month and annual turnover exceeded £1 million for the first time.
- Produced storytelling and explanatory videos for YouTube.

2015–17   **Call-taker, Group Leader, and Publicity Officer | Oxford Nightline | Oxford**
- Provided support to university students suffering from severe emotional distress.
- Developed and secured ongoing funding for a major outreach campaign aimed at helping students connect with each other via supportive messages and chocolate frogs.

2016   **Local Leader | EF Language | Rookesbury**
- Created lesson plans and taught English language to multiple classes of 10–14-year-olds.

Projects

- **Interactive eviction map:** Scraped New York City building records to find vacate notices issued during the pandemic. Scraped with Selenium, cleaned/analyzed data with regex and pandas in Jupyter Notebook, and mapped with Mapbox.
- **Formula for the perfect novel:** Used data from Goodreads to figure out patterns in popular books. Scraped the highest-rated titles using Beautiful Soup and ProtonVPN, analyzed data with pandas, created graphs with Altair and Illustrator.
- **Adressify**: Python app that returns building and tax records of any NYC building. Streamlit frontend with Heroku hosting.
- **Adventures in photogrammetry:** Demonstrated how to use Metashape to create a 3D model of a wooden elephant.

Skills and Activities

- **Web**: Built webpages using WordPress, Refinery, and Bottlejack. Used HTML, CSS, and JavaScript to customize websites with scrollytelling and interactive web applications. D3 literate. Experience with search engine optimization.
- **Data**: Experience with Python, APIs, JSON, GeoJSON, postgreSQL, GitHub, Tableau, Jupyter Notebook, Beautiful Soup, Selenium, pandas, GeoPandas, ReGex, scikit-learn, matplotlib, Plotly, Altair, QGIS, and the Adobe Creative Cloud.
- **Workflow**: Significant experience with Trello, Jira, and Slack.
- **Audio**: Electronic music composition experience with Audiotool and FL Studio. Working knowledge of Audition.
- **Fiction writing**: Published in multiple short story anthologies. Awarded £1000 prize in the 2009 HG Wells story competition.