Daniel Waterfield

Cambridge
UK

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Objective

Full-stack developer looking for a first role in industry after completing a History PhD. Rare mix of technical and qualitative skills, a balanced **portfolio of full-stack and analytical projects** and experience of **communicating** complex ideas to non-specialist audiences.

Skills

Python (Numpy, scipy, matplotlib, **pandas**), TensorFlow, **Ruby**, **SQL**, R (ggplot2), AWS, GitHub, **WordPress**, XML, **HTML5/CSS**, C++, JS.

Experience

Full-Stack Developer at Self-taught
November 2018 – Present

Teaching myself full stack development (emphasis on **Python, Ruby, R, and SQL, with some JS, AWS and Flask**) via **codecademy**, **freecodecamp**, and kaggle, supplemented by **stackoverflow**, Harvard's **CS50** lecture series, and textbooks. Portfolio on GitHub. Recent projects:

1. British Voter Bot (@voterbritish). **Collaborated** with a political scientist and a junior developer to source and write a **tweetbot in Python**. This posts hourly excerpts of anonymised british voters from the British Electoral Survey, wave 13.
2. Evelina. Currently developing a hosted **OCR service to automate transcription** of non author-specific eighteenth-century manuscripts, extracting metadata for easy thematic sorting and geo-spatial mapping of correspondence networks. Stack: **TensorFlow/Python/Ruby.** Longer term: **React app** for easy uploading of images.
3. History-Weather-Climate. **Cleaning**, analysing, and graphing **messy data** from csv with **pandas** to track socio-economic responses (baptisms, deaths, wheat prices) to climactic variations 1688-1832.

Graduate Supervisor at University of Cambridge.
March 2018 – Present

Prepared and **taught seminars and gave lectures** to up to 15 first and third undergraduates in historical theory. **Collaborated** with senior and junior colleagues to tailor seminar reading, supervision guidance, and guide classroom discussion.

Gave one to one supervisions in European Political Philosophy 1700 - 1850. Set essay topics, assigned appropriate reading within strict time pressures, and gave student feedback.

Marketing and Social Media Assistant at Orange House Language School .
April 2015 – September 2015

Researched, compiled, and presented research on competitors to immediate manager and owner as this small business sought to expand into new premises and courses. Proposed and ran social media campaigns, tripling engagement. Ran front-desk part time, answering in-person enquiries, using English, French, and Bulgarian.

Education

University of Cambridge (Cambridge, UK)
Ph.D / History.
October 2015 – Present

Wrote 80,000 word thesis on 18th century literature and politics, distilling 80 years of scholarship in 4 languages.

Learned **project management skills** as I took language classes, taught, researched and published an article and book reviews in top-ranked journals. Used my language skills to complete research trips to archives in London, Paris, The Vatican, Harvard, and Montreal. Presented my research to up to 100 people and won fellowships worth over £45,000.

University of Liverpool (Liverpool, UK.)
MA / Eighteenth-Century Worlds
September 2013 – September 2014

Ran a francophone exchange evening, took modules in **economic**, social, and literary **history**, and wrote 15,000 word interdisciplinary dissertation on the novelist Frances Burney.

University of Liverpool (Liverpool, UK.)
B.A / English
March 2010 – July 2012

Activities

Folk music (Fiddle); hiking; languages; writing (published in The Guardian, The Independent, &c).