

# Harry Shuttleworth

Deputy Finance and Companies Editor at Global Water Intelligence

Oxford | United Kingdom

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[LinkedIn link](#)

[GitHub link](#)

## PROFILE

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I am a deputy editor for a market intelligence company looking to begin a career as a software developer, with a master's degree in mathematics and project experience in Python and JavaScript. My current job role includes creating and managing databases with Python, building web scrapers, and in-house data tools. I also publish research content and a monthly newsletter, as well as undertaking consultancy work.

## TECHNICAL EXPERIENCE

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Python (Pandas, Beautiful Soup, Django, Selenium, NumPy)	CSS
JavaScript (Angular, Node.js, web3.js)	Ruby (Rails)
Excel	Solidity (Ethereum)
HTML	Maple

## WORK EXPERIENCE

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*2018 – Present*

### Deputy Finance and Companies Editor

Global Water Intelligence (GWI), Oxford

Developing and maintaining GWI's online business intelligence platform WaterData. Responsibilities include:

- Using Python and Ruby to create applications and automation tools for staff to improve workflow, e.g. a customisable PDF generator.
- Building web scrapers with Python's Beautiful Soup library and Selenium.
- Updating various databases, using Python with Pandas to process data.
- Improving data workflow, and innovating ways to grow and improve the platform by working with the development and design teams.
- Producing a monthly subscriber newsletter highlighting new content.
- Managing an analyst for the collection of financial and shareholder data.
- Producing company profiles for WaterData and keeping these up to date as companies evolve.

*2016 – 2018*

### Research Analyst

Global Water Intelligence (GWI), Oxford

- The creation and development of a global regulations database, the first of its kind, while managing a team of research staff.
- Conducting research, interviewing high level business contacts and using the internet, reports and data sources to produce quarterly reports.

- Recruitment experience, hiring a new data collection assistant for the research team.
- Attending the Global Water Summit on an annual basis to network with delegates and help run and organise session strands.
- Staying present with all areas of the water industry, including industrial markets, technologies, finance, procurement models, and regulatory frameworks.

2015 – 2016

### **Foreign Exchange Trader**

Fidelis Market Consultants, Oxford

- Working as a trader assisting EMEA clients exposed to foreign markets and executing trades to their beneficiaries.
- Staying present with global financial conditions and advising on the best time to buy.
- Lead searching and sourcing potential clients myself over the phone.

## **PROGRAMMING PROJECTS**

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- Projects to scrape financial data from the London Stock Exchange and US Securities and Exchange commission. ([LSE](#) [GitHub link](#), [SEC](#) [GitHub link](#))
- Portfolio website ([GitHub link](#))
- Simple decentralized voting application built on Ethereum ([GitHub link](#))
- Script for placing and closing trades on the stock market via the IG API. ([GitHub link](#))
- Scraper used to retrieve private sector contract data for the water industry ([GitHub link](#))
- Creation of a sample website as part of a Learn Enough to be Dangerous Ruby on Rails course. ([GitHub link](#))

## **EDUCATION**

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2011 – 2015

### **MMath Master's in mathematics, Upper Second-Class Honours**

Loughborough University, United Kingdom

- Used C++ and Maple to model problems, execute algorithms, simulate and graph solutions, developing a programming foundation.
- Modules included Programming, Probability and Statistics, and Optimisation, Numerical Methods, Differential Equations, Game Theory, and Analysis.

2004 – 2011

### **A levels & GCSE**

Fitzharrys School, Oxford

A levels:

- Mathematics (A) : Further Mathematics (B) : Physics (B) : AS level Economics (C)

GCSE's:

- 10 GCSE's A\* - B, including English, and A\*s in Science, Additional Science, and Mathematics.

## **INTERESTS**

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- Working on personal projects, creating programs and apps with Python and JavaScript.
- Learning about blockchain technology, including Bitcoin and Ethereum, and programming smart contracts with Solidity.