


Tim Oates

PYTHON DEVELOPER

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EDUCATION

MSc Astrophysics (Distinction)
Queen Mary University of London
2019 - 2020

Graduate Diploma in Physics
King's College London
2018 - 2019

BSc Mathematics
University of Bath
2010 - 2014

TECHNICAL SKILLS

Experienced

- Python
- Git
- Unit testing

Novice

- HTML/CSS
- JavaScript
- PHP
- SQL
- MATLAB
- R

OTHER SKILLS

- Agile (Scrum)
- Line management
- Teaching (Python)
- Code reviews

HOBBIES

- Tennis
- Surfing
- Hiking
- Board games

PROFESSIONAL PROFILE

I'm an experienced Python developer who enjoys a challenge and has a passion for clean code. I'm a self-motivated, diligent worker with varied programming and academic experience.

WORK EXPERIENCE

DATA SCIENTIST

Office for National Statistics | 2021 - present

Primarily a Python development role, building software for processing and analysing survey data. I previously worked on a pensions survey system as the sole developer, but now work in a data science department, building business survey systems with a development team. Achievements and responsibilities include:

- Reworked pensions survey processing system to increase efficiency, reliability and readability of code
- Reduced daily run-time of survey ingest system from 1.5 hours to under 5 minutes
- Received three individual recognition awards and two team awards for contributions to the organisation
- Line-manage a new recruit to the organisation
- Teach beginner python sessions for other business areas

CAREER GAP - STUDY, TRAVEL & TEMPORARY WORK

2017 - 2020

During this time, I went to New Zealand where I worked and travelled before returning to London to study physics. This included:

- Studied for an Astrophysics MSc
 - Programming and statistics-focused research project, running complex simulations in Python
 - Scored top of my cohort with 93%
- Worked as an Information Analyst for the University of Otago
 - Managed the restructuring of, and wrote web pages for, the Graduate Research School website
 - Ran database queries and analysed statistics to produce reports to present in meetings
- Studied for a Graduate Diploma in Physics

DISTRIBUTION & IT MANAGER

BAR Publishing | 2015 - 2017

- Tested and updated the content of their website
- Provided general IT support including managing their server and setting up new workstations
- Managed sales, invoicing, stock and quality control of books
- Supervised temporary staff

SOFTWARE ENGINEER INTERN

PrintNode | 2015