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DOB: 11.11.1998

Experience

2017 **Application Developer, Con Ed Ltd.** (3 months)
Developed a prototype for ReadingLite, a cloud-based library management app for primary schools. App is database-driven, includes API, Bootstrap UI. Produced prototype on time and within budget. Agile development, with success criteria determined from ongoing discussions with potential end-users.

Technologies used: Python, Django, Git, HTML, Sass, JS.

2015 **Application Developer, Con Ed Ltd.** (2 months)
Developed a staff room information panel for primary schools. Built on top of WordPress. Modular design enabled new features to be added in late stages of development. Developed multiple WP Plugins, including graphical calendars. Integrated an API to sync calendar.

Technologies used: PHP, WordPress, HTML, CSS, JS, jQuery.

Education

2017 - **BA in Computer Science and Philosophy, University of Oxford**
Distinction (1st) in first-year examinations. Courses have covered design patterns, TDD, algorithms, data structures.
This is an integrated Master's (MCompPhil) course, so study can continue until 2020 or 2021.

2010 - 2017 **Parmiter's School, Watford**
A-levels in Maths, Further Maths, Computer Science, Physics. A*A*AA.

Technical Skills

+ Django
+ Python
+ React (entry-level)
+ JavaScript

+ Sass
+ Bootstrap
+ Git (entry-level)
+ Unix (entry-level)

Projects + Open-source

GitHub ⊙ jckw

2018   word-streak-solver
Efficient solver for Word Streak with Friends. Increased my highscore almost ten-fold. The process of implementing the solver in Python is documented on my site.

2017   django-bootstrap-daterangepicker
Django Package that provides an interface between Django Forms and Bootstrap date-range widgets.

2016   Adafruit_LSM9DS0
A Python 3 interface for the Adafruit LSM9DS0 Accel/Mag/Gyro breakout board.

2015 - 2016   myCoach
An Android fitness app developed as coursework for OCR A-level Computer Science, written in Java. App analyses movement data to provide real-time statistics and movement-specific advice whilst running.

Minor contributions

2018   zulip
Improved testing coverage and refactored code.

Volunteering + Other Roles

2018 -   Balliol College JCR Entz
Organising and managing in-college entertainment for undergraduates.

2017 -   Turl Street Homeless Action
Weekly food distribution and outreach to the homeless in Oxford.

2016 - 2017   Code Club Group Leader
Assisted and taught primary school children learning Scratch at Watford Central Library.

2015 - 2017   Coding Club Organiser, Parmiter's School
Produced lesson plans, and taught Python and Scratch to school children aged 11-13. Secured a grant from O2 Think Big, and Parmiter's School.