Jamie Parkinson

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jamieparkinson

Recent **theoretical physics graduate** and **full-stack developer** with an emphasis on the frontend, passionate about developing **exceptional web applications** with **excellent UI/UX** and about original and intelligent **data visualisation**. Have worked in a wide variety of research fields, from atomic physics to quantum foundations and nucleation theory. Care deeply about **clear communication** both in and out of science, and about the importance of work with **social value**.

education

UNIVERSITY COLLEGE LONDON (UCL) - *MSci Theoretical Physics (First Class Honours)* 2012-2016

- Recipient of prizes for the **top performance in my 1st year** and for the **best MSci research project**. Average mark of **well over 80%** each year, with around **90%** in all computational modules (**Java** and **Mathematica**).

BILBOROUGH COLLEGE, NOTTINGHAM - *A-Levels: A*A*A* in Maths, Further Maths and Physics* 2010-2012

THE NOTTINGHAM BLUECOAT SCHOOL - *GCSEs: 9 A*s, 4 As* 2005-2010

experience

PiC - PERFORMANCE IN CONTEXT - *Product Development Intern* 07/2016 - present

- PiC are a startup who aim to help organisations build a more socially diverse workforce through technology and data. They won the Jobs Open Data Challenge in 2015.
- Working across PiC's stack (**Flask**, **PostgreSQL** and various **JavaScript** frameworks). Given a **lead role** developing a new product: took a web app from idea to minimum viable product in 1 week, including learning **React**.

UCL/UNIVERSITY OF HELSINKI - *Summer Research* 06-09/2015

- Awarded an EPSRC research grant to conduct research into the thermodynamics of clusters of sulphuric acid and water, with potential applications in **climate science**. Successful work (using lots of **Python**, **bash** and some **FORTRAN**) led to being funded to travel to Finland in September to present, discuss and build upon our results at the University of Helsinki.
- Published as **first author** in Molecular Simulation.

UCL RYDBERG GROUP - *Summer Research* 06-09/2014

- Awarded an EPSRC research grant to research the the acceleration of antihydrogen atoms for the AEgIS research group at CERN. Developed software in **C++**, researched a variety of high-performance techniques and developed a novel new method of caching values on a 3D grid.

other projects

INTERACTIVE LECTURE NOTES FOR QUANTUM COMPUTATION - *jamieparkinson.github.io* 05/2016 - present

- A personal project, developing interactive lecture notes for topics in quantum computation using **HTML & CSS** and **D3**.

SMARTPHONE APPS FOR MEDICINE 01-03/2015

- Worked in a group developing apps to be used by patients in medical contexts. Took a lead role in software development, using the **Ionic** framework (including **AngularJS**) to develop cross-platform apps. Was commended by my supervisors and peers for the quality of work and my teamwork in this project.

MORE THINGS THAN I CAN REMEMBER! ~2004 - present

- My first website had a yellow background, a lot of HTML marquees, and some awful effects copied off of *dynamicdrive.com*. Since then I've developed Wordpress plugins in **PHP**, scientific code in **MATLAB**, **Mathematica**, **IDL** and **R**, tried my hand at **Ruby**, **F#** and **Perl**, coded countless pointless scripts in **Python** and **bash**, and just about got my head around **LaTeX**.

interests

I'm an experienced orchestral double bass player, having lead and co-lead bass sections in a variety of high quality orchestras. I find orchestral playing to be an extremely fulfilling experience, involving huge amounts of focus and the ability to respond intuitively and instantaneously to what others are doing.

References are available upon request.