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 on 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.