

HARRISON PIM

✉ harrison.pim.12@ucl.ac.uk
☎ 07891 370 664
in harrison-pim
🐦 @hmpim

Flat 2
87 Trafalgar Street
Brighton
BN1 4ER

| | | |
|---------------------|---|--|
| EDUCATION | University College London (UCL) - MSci Physics, 2:1 The Windsor Boys' School - A-Level Physics (A), Maths (A), Design (C) - 13 GCSEs between A*-B | 2012-2016 2007-2012 |
| EMPLOYMENT | Data Science Intern - Great Little Place Acted as lead data scientist. Extracted & visualised insights from vast datasets in order to stimulate growth and improve the user experience. Researched, developed and documented algorithms driving <i>Columbus</i> , the app's ranking and recommendation system. Private Academic Tutor Developed a passion for working on a small scale in a focused, personal manner. Helped others to achieve their goals by sharing knowledge, experience and enthusiasm. | Jul- Sep 2015 2011 - |
| PROJECTS | Developed a back-end item ranking system Designed and implemented algorithms used to automatically categorise and quantify the quality of an item upon its submission to the app. Made use of REST APIs to assign an initial score which was then augmented according to user behaviour. This allowed generic recommendations to be made to users based on places' perceived quality. Developed a recommendation system based on machine learning methods Extended the aforementioned ranking system to ascribe 'taste' to users based on behaviour within the app. Then created a successful, user-specific recommendation system despite working with unusually sparse datasets. Modelling correlations between H₂O fragments on Si Simulated patterns of adsorbed H ₂ O clusters on Si. A model of adsorption was defined, which may find uses in fabrication of atomic scale devices or quantum computing. Involved heavy use of UNIX and HPC facilities. Planned submission to academic journals. Fabrication of a high precision/low cost Rn detector A practical group project. Involved aspects of particle physics theory, electrical engineering, cleanroom device fabrication, and data capture & analysis using java and python. | 2015 2015 2015-2016 2014-2015 |
| COMPUTING | Languages: Python, Java, Matlab, Mathematica, SQL Data Visualisation & Presentation: D3.js, R (ggplot2), Python (matplotlib), \LaTeX Operating Systems: Chrome OS, Linux, UNIX, Windows, OS X | |
| INTERESTS | TECH - Maintain a high level of technical literacy by staying up to date with latest developments, news and releases FILM - Member of ICA, Young Barbican and Picturehouse, and have worked at several cinemas and pop-ups over the last few years EFFECTIVE ALTRUISM - Committed to redistributing at least 10% of my income through effective channels, primarily those highlighted by data-driven approaches at givewell.org | |
| FURTHER INFORMATION | Academic and professional references, transcripts, theses, reports and publications all available upon request. | |