Dr David **Voong**

voong.david@gmail.com
www.davidvoong.co.uk
Telephone: +447795990807

PROFILE

DATA SCIENCE AND DATA DRIVEN WEB APPLICATIONS

As a data scientist I specialise in data driven insights into complex problems via visualisation and mathematical modelling methods especially in the context of large volume quantitative data produced at high rates. I have a strong background in statistical and computational data analysis techniques and their use within distributed systems technologies.

I have a broad set of web development skills across the full stack which allow me to present this information in an accessible, informative and interactive way. In addition to this I also have experience in devops and testing which allows me to quickly develop robust and scalable applications.

I am looking for a challenging and rewarding work environment with a strong ethic in team work, opportunity for development and a focus on innovation.

SKILLS

DATA ANALYSIS

Statistics: *Forecasting* and *Anomaly Detection*, *AB testing*, *Simulation Modelling*, *Linear and Logistic Regression*.
Data Analysis Frameworks: *Numpy, scipy, pandas* and *ROOT*.
Databases: *Amazon Redshift, MySQL, PostgreSQL, SQLite* and *MongoDB*.
Visualisations: *matplotlib, d3.js & Bokeh*.

ENGINEERING AND BIG DATA

Programming: *Python* and *C++* object orientated programming, *TDD* and *SQL*.
Deployment and Orchestration: *AWS, DigitalOcean, Bluemix* and *Azure, DIRAC* and *Hadoop* distributed systems. *Fabric, Ansible* and *Docker* deployment and configuration tools. *Airflow* job orchestration.

WEB

HTML, CSS, Bootstrap, Javascript, JQuery and Django.

EMPLOYMENT HISTORY

PRODUCT MADNESS Data Scientist

January 2016 - Present | London UK
Product Madness is a digital social gaming company which produces some of the highest grossing apps across multiple platforms. They are a tech company with a strong philosophy of data driven decision making. The data analytics is built on high frequency, volume and granularity data with millions of daily users logging hundreds of millions of events each day. My role here is to provide data insights, support decision making processes and to build and maintain a platform in which to do this.

OPENTRV Data Scientist | Software Engineer

July 2015 - January 2016 | London, UK
OpenTRV are an IoT company that specialise in the production of intelligent radiator valves which optimise comfort and efficiency. At OpenTRV I worked on building their web data platform and energy efficiency optimisation system.

LEARNING SCIENCE LTD Scientific Designer

August 2014 - April 2015 | Bristol, UK
Learning Science is a specialist in using innovation in technology to improve and modernise education. At Learning Science I worked as a scientific designer and developer of interactive Physics simulations for use as learning resources and tutorials for university level education.

PROJECTS AND HACKATHONS

COMMONPLACE Consultant | Developer

September 2015 - March 2016 | London, UK
Commonplace is a web and mobile platform aimed at building communities in London in order to tackle alienation, gang culture and violent extremism. The project is a collaboration between International Alert and peace building community.
http://www.international-alert.org/news/peacehack-2015

POLLUPLA Project Lead | Data Scientist | Developer

July 2015 - January 2016 | London, UK
Pollupla is a property search engine which incorporates air pollution data. We aim to provide users with insight into where they choose to live, businesses with market insight and new air pollution standards relevant to the everyday person.

EDUCATION AND RESEARCH

UNIVERSITY OF BRISTOL PhD in Particle Physics

2009 - 2014 | Bristol, UK
Data analysis of particle production rates from proton-proton collision data and software driven detector alignment for the Large Hadron Collider Beauty (LHCb) experiment at the CERN Laboratory in Switzerland.

REFERENCES

Volodymyr Kazantsev, Head of Data Science, Product Madness
Volodymyr.Kazantsev@productmadness.com

Mark Hill, OpenTRV Co Founder
Mark@opentrv.uk