kelvinwong.co.uk
kelvinwong@outlook.com

DR KELVIN WONG

SUMMARY

Dr Kelvin Wong is a Senior Product Manager at Risk Management Solutions (RMS). He is a Chartered Geographer and Fellow of The Royal Geographical Society. At RMS, he works alongside a unique mix of climatologists, designers, seismologists, and mathematicians to design the best user experience for market-leading catastrophe modelling applications. Using science as a practical tool for solving real-life problems, his research to date applies to a wide range of domains, from autonomous vehicles to human behaviour understanding to transport planning.

EXPERIENCE

RISK MANAGEMENT SOLUTIONS
Mar 2020 – Present

SENIOR PRODUCT MANAGER
Models and Data Content Experience

UNIVERSITY OF TOKYO
Nov 2018 – Nov 2019

POSTDOCTORAL RESEARCH FELLOW—JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE (JSPS)
Kamijo Lab, Institute of Industrial Science

DEPARTMENT FOR TRANSPORT
May 2018 – Aug 2018

GEOGRAPHIC INFORMATION SYSTEMS CONSULTANT
Maritime Security and Resilience Division

EUROSDR
May 2018 – Oct 2018

RESEARCHER
Investigating the state of play of GeoBIM across Europe

UNIVERSITY COLLEGE LONDON
May 2018 – Oct 2018

RESEARCHER—OPEN3D
Department of Computer Science

UNIVERSITY COLLEGE LONDON
Sep 2017 – Apr 2018

MODULE COORDINATOR—UNDERGRADUATE GIS (MATERNITY COVER)
Department of Civil, Environmental and Geomatic Engineering

EUROSDR
Oct 2014 – Dec 2015

RESEARCHER
Economic Value of 3D Geographic Information

WSP GROUP
Jan 2013 – Sep 2013

GIS ANALYST
Planning and Development Department

EDUCATION

UNIVERSITY COLLEGE LONDON
Apr 2018

ENGD 3D GEOGRAPHIC INFORMATION SCIENCE
Thesis: Towards a National 3D Mapping Product for Great Britain.
EngD Industry sponsor: Ordnance Survey (National Mapping Agency of Great Britain).

UNIVERSITY COLLEGE LONDON
Sep 2014

MRES VIRTUAL ENVIRONMENTS, IMAGING & VISUALISATION
Distinction. Thesis: Designing 3D Geographic Information for Navigation Using Google Glass.

UNIVERSITY COLLEGE LONDON
Sep 2012

MSC GEOGRAPHIC INFORMATION SCIENCE
Distinction. Thesis: Enhancing Positioning of Photovoltaic Panels Using 3D Geographic Information.

UNIVERSITY OF SOUTHAMPTON
Jul 2011

BSC GEOGRAPHY
2:1. Thesis: Assessing Photovoltaic Potential in Hawaii.

YORK UNIVERSITY
Jan 2010 – Apr 2010

SECOND YEAR EXCHANGE PROGRAM
Department of Geography

ACCREDITATIONS AND MEMBERSHIPS

ROYAL GEOGRAPHICAL SOCIETY
Sep 2020 – Present

CHARTERED GEOGRAPHER (GIS) & FELLOW OF THE ROYAL GEOGRAPHICAL SOCIETY

DATA VIZUALISATION SOCIETY
Mar 2020 – Present

MEMBER

AWARDS, HONOURS, AND DISTINCTIONS

IEEE 2019	**IEEE 8TH GLOBAL CONFERENCE ON CONSUMER ELECTRONICS EXCELLENT PAPER AWARD – BRONZE PRIZE** Paper: Classifying Human Activity and Smartphone Holding Mode Using Accelerometer and Gyroscope
UNIVERSITY COLLEGE LONDON 2018	**UCL STUDENT CHOICE AWARDS – EXCEPTIONAL FEEDBACK (NOMINATED)** This award honours member of staff who provides constructive, useful feedback on students' assessment and learning, helping them to progress and succeed.
UNIVERSITY COLLEGE LONDON 2012	**HART PRIZE** Awarded for most distinguished performance in the course by the Head of Department of Civil, Environmental and Geomatic Engineering.

RESEARCH FUNDING

JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE 2018	**POSTDOCTORAL FELLOWSHIP FOR RESEARCH IN JAPAN (SHORT-TERM)** The program provides PhD students or PhD researchers in the Europe and North America with opportunities to conduct collaborative research under the guidance of their hosts in universities and other Japanese institutions.
UNIVERSITY COLLEGE LONDON 2017	**UCL CENTRE VEIV ADVANCE SCHOLARSHIP** The UCL Center VEIV Advance Scholarships are small grants worth £4,500. The award is to support three months' work in writing and submitting a research proposal or business plan relating directly to VEIV themes.
THE ENGINEERING AND PHYSICAL SCIENCES RESEARCH COUNCIL 2013	**ENGINEERING DOCTORATE STUDENTSHIP AWARD – DEVELOPING A NEW 3D DATASET WITH THE ORDNANCE SURVEY** The award provides a tax-free stipend of £18,590 per annum for four years, plus support for travel and research.

VOLUNTEERING

THE BRILLIANT CLUB Sep 2015 – Feb 2016	**PHD TEACHER** The Scholars Programme recruits, trains, and places doctoral and postdoctoral researchers in schools to deliver courses of university-style tutorials based on their own research.
AGE CONCERN Jan 2015 – Jan 2017	**IT SUPPORT** Providing one-to-one personalised IT support at the client's own home for older residents who live in the borough of Epsom and Ewell.

PUBLICATIONS

A full list of Kelvin's publications can be found at https://kelvinwong.co.uk/#publications

TECHNICAL SKILLS

PROGRAMMING, SCRIPTING & MARKUP	Java, JavaScript, SQL, HTML, CSS, Python, PHP, R, Markdown
FRAMEWORKS, LIBRARIES & TECHNOLOGIES	Mapbox.js, leaflet.js, CesiumJS, GeoServer, d3.js, plotly.js, scikit-learn, Android SDK
GEOSPATIAL	ESRI GIS Products, QGIS, FME Desktop, Oracle Database, PostgreSQL, MySQL
AUTHORING AND DESIGN	Microsoft Office—Word, Excel, PowerPoint, OneDrive, Outlook, OneNote Google G Suite—Docs, Drive, Sheets, Forms, Sites, Apps Script Adobe—Photoshop, Illustrator, Acrobat, InDesign
OTHER RELATED SOFTWARE	Atlassian—Jira, Confluence, Jira Query Language (JQL), Jira Cloud platform REST API
LANGUAGES	English (Native), Cantonese (Conversational), Japanese (Beginner)