

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

UNIVERSITY OF TOKYO

Nov 2018 – Nov 2019

DEPARTMENT FOR TRANSPORT

May 2018 – Aug 2018

EUROSDR

May 2018 – Oct 2018

UNIVERSITY COLLEGE LONDON

May 2018 – Oct 2018

UNIVERSITY COLLEGE LONDON

Sep 2017 – Apr 2018

EUROSDR

Oct 2014 – Dec 2015

WSP GROUP

Jan 2013 – Sep 2013

SENIOR PRODUCT MANAGER

Models and Data Content Experience

POSTDOCTORAL RESEARCH FELLOW—JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE (JSPS)

Kamijo Lab, Institute of Industrial Science

GEOGRAPHIC INFORMATION SYSTEMS CONSULTANT

Maritime Security and Resilience Division

RESEARCHER

Investigating the state of play of GeoBIM across Europe

RESEARCHER—OPEN3D

Department of Computer Science

MODULE COORDINATOR—UNDERGRADUATE GIS (MATERNITY COVER)

Department of Civil, Environmental and Geomatic Engineering

RESEARCHER

Economic Value of 3D Geographic Information

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	IEEE 8TH GLOBAL CONFERENCE ON CONSUMER ELECTRONICS EXCELLENT PAPER AWARD – BRONZE PRIZE
2019	Paper: Classifying Human Activity and Smartphone Holding Mode Using Accelerometer and Gyroscope
UNIVERSITY COLLEGE LONDON	UCL STUDENT CHOICE AWARDS – EXCEPTIONAL FEEDBACK (NOMINATED)
2018	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	HART PRIZE
2012	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	POSTDOCTORAL FELLOWSHIP FOR RESEARCH IN JAPAN (SHORT-TERM)
2018	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	UCL CENTRE VEIV ADVANCE SCHOLARSHIP
2017	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	ENGINEERING DOCTORATE STUDENTSHIP AWARD – DEVELOPING A NEW 3D DATASET WITH THE ORDNANCE SURVEY
2013	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	PHD TEACHER
Sep 2015 – Feb 2016	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	IT SUPPORT
Jan 2015 – Jan 2017	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)