

PATRICK R. RICKLES

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PERSONAL PROFILE

Ambitious, innovative, and a problem solver, I gladly take on new responsibilities and go above and beyond what is required. By keeping up to date on trends and quickly learning new technologies, I design custom solutions and build them or manage teams to do so, with the focus on improving efficiency and pushing the limits of what is possible. I am self motivated, deliver timely and high quality work and enjoy helping my team members succeed.

SKILLS

ArcGIS (Desktop, Server, Online), MapInfo, QGIS, Geoserver, HTML, XML, Java, JavaScript, JQuery, Visual Basic, Django, Python, R, PHP, SQL, Oracle, SQL Server, MySQL, PostgreSQL/PostGIS, ArcGIS API, Google Maps API

EMPLOYMENT HISTORY

North Sea Transition Authority – London, United Kingdom (Oct 2020 – present)

Positions Held: Head of Digital Skills and Innovation

Driving continuous improvement of digital and data services provided to industry, academia, government and society

- Establishing the organisation's digital academy to upskill teams and build digital resilience
- Pursuing opportunities for successful integration of cutting edge technologies to revolutionise ways of working
- Utilising cloud technologies and scripting languages for geospatial Artificial Intelligence and Machine Learning
- Proactively broadcasting success stories to establish industry vision and excellence of organisational work
- Developing the organisation's digital strategy and leading on its effective delivery

HM Courts and Tribunals Service – London, United Kingdom (Jun 2018 – Sep 2020)

Positions Held: Head of Business Intelligence and Spatial Data Science

Built data science capability to deliver advanced analytics and insights on court performance

- Led on development of Business Intelligence reports and managed team to enhance visuals presentation
- Developed geospatial datasets, analyses and solutions, supporting location-sensitive decision making and created innovative mapping and geo-visualisation products
- Implemented and promoted data science across the division, building capabilities and mentoring analysts
- Presented on analytical outputs and represented the division at meetings with the justices and executive team

Dept for Levelling-Up, Housing and Communities – London, United Kingdom (Aug 2017 – Jun 2018)

Positions Held: Implementation Analyst

Designed and developed geospatial strategies and solutions to improve decision making on national housing policies

- Assisted with setting direction for cross-departmental GIS technologies that foster good practice
- Led on proactively sought out opportunities for geospatial data with geospatial technologies
- Trained and mentored analysts to build capacity and professionalism with GIS across the department

University College London – London, United Kingdom (Nov 2010 – Aug 2017)

Positions Held: Research Assistant, Research Associate

Project managed research teams and advised on technologies for university research

- Managed staff, delivered teaching, coordinated funding and publications on interdisciplinary GIS research
- Developed systems and tools for non-technical users with open source and proprietary technologies

Mapping Application – London, United Kingdom (Apr 2010 – Aug 2012)

Positions Held: Managing Director

Improved workflows with automation and reduced costs that made visible impact for clients

- Created custom tools for niche purposes that became vital to businesses

WSP Group plc – London, United Kingdom (Mar 2008 – Apr 2010)

Positions Held: GIS Developer, Senior GIS Developer

Led and supervised technical developments to grow the UK GIS team's capabilities

Esri Inc. – Virginia, United States (Mar 2007 – Mar 2008)

Positions Held: GIS Developer

Consulted to the US Government and created custom systems for classified operations

Advanced Resources International, Inc. – Virginia, United States (Nov 2005 – Mar 2007)

Positions Held: GIS Analyst

Analysed geological and petroleum resources for private and public sector clients

Bartlett School of Graduate Studies – London, United Kingdom (Feb 2005 – Sept 2005)

Positions Held: Research Assistant

Classified crimes that occurred in London and identified properties at risk

EDUCATION

PhD Geographic Information Science UCL, London, UK, Mar 2019

Thesis: "Teaching Interdisciplinary Researchers Geographic Information Systems: A Suggested Approach"

MSc Geographic Information Science UCL, London, UK, Sept 2005

Dissertation: "Web GIS Profiles of Elevation and Vegetation Information of Madagascar"

B.S. Applied Arts and Sciences RIT, New York, US, May 2004

Concentrations: Computer Science Studies and Environmental Management Science

AWARDS AND CERTIFICATIONS

- AgilePM Foundation and Practitioner, APMG International, 2020
- UCL Esri Development Centre Student of the Year, 2017
- Chartered Geographer (GIS), the Royal Geographical Society (with IBG), 2016
- APM - Project Management Qualification (PMQ) [IPMA Level D, SCQF Level 7], 2016
- UK Winner of the Esri Young Scholars Competition, 2015
- Professional Certificate in Teaching and Learning in Higher and Professional Education, UCL IOE, 2014
- UK IT Industry Awards: Private Sector Project of the Year (Finalist), 2009
- Association for Geographic Information Awards: Project of the Year (Highly Commended), 2009

LEADERSHIP AND PROFESSIONAL MEMBERSHIPS

- Member of the BCS, the Chartered Institute for IT, 2021
- Co-Chair for Attract, Government Analysis Function - Diversity and Inclusion, 2019
- Deputy Head of Government Geography Profession - Digital Strategy and Diversity and Inclusion, 2018
- Member of Association for Project Management, 2016
- Fellow of the Higher Education Academy, 2014
- Member of the Association for Geographic Information, 2011

PUBLICATIONS

Ricker, B., Rickles, P., Fagg, G. & Haklay, M. (2020). Tool, toolmaker, and scientist: case study experiences using GIS in interdisciplinary research. *Cartography and Geographic Information Science*, 1-7.

<https://doi.org/10.1080/15230406.2020.1748113>

Rickles, P., Ellul, C. & Haklay, M. (2017). A Suggested Framework and Guidelines for Learning GIS in Interdisciplinary Research. *Geo: Geography and Environment*, 4(2), 1-18. <https://doi.org/10.1002/geo2.46>

REFERENCES AVAILABLE UPON REQUEST