

# 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 with GIS. 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, PHP, SQL, Oracle, SQL Server, MySQL, PostgreSQL/PostGIS, ArcGIS API, Google Maps API

## EMPLOYMENT HISTORY

### HM Courts and Tribunal Service – London, United Kingdom (Jun 2018 – present)

#### *Positions Held: Team Lead - Business Intelligence and Spatial Data Science*

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

- Lead on the development of Business Intelligence reports and manage team to enhance visualisation and presentation of information
- Develop geospatial datasets, analyses and solutions, supporting location-sensitive decision making and creating innovative mapping and geo-visualisation products
- Implementing and promoting data science across the division, building capabilities and mentoring analysts
- Presenting on analytical outputs and representing the division at meetings with the justices and executive team

### Ministry of Housing, Communities and Local Gov't – 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
- Implemented robust, yet flexible, real-time reporting technologies to advise Ministers and stakeholders
- Led on the administration and presentation of geospatial data with geospatial technologies, proactively sought out opportunities to increase the visibility of added value with GIS
- 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 and projects to ensure timely delivery of project reporting and outputs
- Coordinated proposals for funding and publications in peer reviewed journals to raise the profile of work
- Liaised with collaborators and potential partners, presenting on team research to a variety of stakeholders
- Delivered teaching and training in dynamic, interdisciplinary environments
- 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
- Led teams and efforts to roll out customisations throughout their organisations
- Presented on solutions and opened up new possibilities for further business ventures

**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

- Externally consulted and enabled an overhead funded team to generate profit
- Consulted with clients, created materials and delivered training courses that exceeded expectations

**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

- Successfully implemented job tracking systems and developed maritime map production system

**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

- Developed automated solutions that reduced project time and brought in new business opportunities

**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, Sep 2018**

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**

- UCL Esri Development Centre Student of the Year, 2017
- Chartered Geographer (GIS), the Royal Geographical Society (with the Institute of British Geographers), 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

**PROFESSIONAL MEMBERSHIPS**

- Deputy Head of Geography - Diversity and Inclusion, Government Science and Engineering, 2018
- Member of Government Operational Research Service, 2017
- Member of Association for Project Management, 2016
- Fellow of the Higher Education Academy, 2014
- Member of the Association for Geographic Information, 2011

**PUBLICATIONS**

Rickles, P., Ellul, C., & Haklay, M. (2017). A suggested framework and guidelines for learning GIS in interdisciplinary research. *Geo: Geography and Environment*, 4(2).

Rickles, P. & Ellul, C. (2017). Innovations in and the changing landscape of geography education with Geographic Information Systems. *Journal of Geography in Higher Education*, 41(3), 305-309. doi: 10.1080/03098265.2017.1331210

**REFERENCES AVAILABLE UPON REQUEST**