

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

Department for Communities and Local Government – London, United Kingdom (Aug 2017 – present)

Positions Held: Implementation Analyst

Designing and developing geospatial strategies and solutions to improve decision making on national housing policies

- Assist with setting direction for cross-departmental GIS technologies that foster good practice
- Implement robust, yet flexible, real-time reporting technologies to advise Ministers and stakeholders
- Lead on the administration and presentation of geospatial data with geospatial technologies, proactively seeking out opportunities to increase the visibility of added value with GIS
- Train and mentor 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
- Designed web applications that provided functionality and usability
- 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 used on high level government programs
- Obtained US DoD TS/SCI (SIGINT/COMINT) [expired] 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, Feb 2018 (part-time; in progress)

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

GRANTS, 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
- £8,000 IOE/UCL Strategic Partnership research Development Fund, 2015
- Professional Certificate in Teaching and Learning in Higher and Professional Education, UCL IOE, 2014
- £10,616 EPSRC Inclusion Awards Grant, 2011
- \$15,000 Educational Grant for Amazon Web Services, 2011
- 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

- Member of Government Operational Research Service, 2017
- Member of Government Science and Engineering Profession, 2017
- Member of Association for Project Management, 2016
- Fellow of the Higher Education Academy, 2014
- Member of the Association for Geographic Information, 2011
- Member of the Association for Computing Machinery, 2010
- Fellow of the Royal Geographical Society (with the Institute of British Geographers), 2007

PUBLICATIONS

Rickles, P., Haklay, M., Ellul, C & Skarlatidou, A. (2017). Citizen Science with GIS&T. The Geographic Information Science & Technology Body of Knowledge (3rd Quarter 2017 Edition), John P. Wilson (ed.). doi: 10.22224/gistbok/2017.3.5.

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

Rickles, P. (2017). The Future of Geospatial Education. *GIS Professional Magazine*, April 2017, Issue No. 75, 21-22. Retrieved from <https://www.gis-professional.com/content/article/the-future-of-geospatial-education>

REFERENCES AVAILABLE UPON REQUEST