

# PATRICK R. RICKLES

phone: +44 (0)7779 323 809 | e-mail: [patrick@patrickrickles.com](mailto:patrick@patrickrickles.com) | social: [www.linkedin.com/in/patrickrickles](http://www.linkedin.com/in/patrickrickles)

## 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 for Desktop, MapInfo, QGIS, ArcGIS for Server, Geoserver, Data Collector, Survey123, HTML, XML, Java, JavaScript, JQuery, Visual Basic, Django, Python, PHP, SQL, Oracle, SQL Server, MySQL, PostgreSQL/PostGIS, ArcGIS API, Google Maps API

## EMPLOYMENT HISTORY

### University College London – London, United Kingdom (Nov 2010 – Present)

*Positions Held: Research Assistant, Research Associate*

Project managing research teams and advising on technologies for university research

- Leading teams and presenting on outputs to demonstrate impact and generate funding opportunities
- Authoring databases that are robust and easily modifiable for changing research demands
- Writing tools and apps that quickly process and present information to non-technical users
- Programming web GIS platforms for community outreach and easy replication for various studies

### 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, July 2017 (Pending)*

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 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**

Verrucci, E., Perez-Fuentes, G., Rossetto, T., Bisby, L., Haklay, M., Rush, D., Rickles, P., Fagg, G. & Joffe, J. (2016). Digital engagement methods for earthquake and fire preparedness: a review. *Natural Hazards*, 1-22.

Fagg, G., Verucci, E., & Rickles, P. (2015). Exploring new ways of digital engagement: a study on how mobile mapping and applications can contribute to disaster preparedness. *Proceedings of the GIS Research UK conference*.

Rickles, P. & Ellul, C. (2014). A Preliminary Investigation into the Challenges of Learning GIS in Interdisciplinary Research. *Journal of Geography in Higher Education*.

Rickles, P. & Ellul, C. (2014). Identifying Important Geographic Information System Concepts in Interdisciplinary Research: An analysis of Google Scholar. *Proceedings of the GIS Research UK conference*.

Griffiths et al. (2013). Using Space Syntax and Historical Land-Use Data to Interrogate Narratives of High Street 'Decline' in Two Greater London Suburbs. *Journal of Space Syntax*, 4(2), 221-241.

Ellul, C., Tamash, N., Xian, F., Stuiver, J., & Rickles, P. (2013). Using Free and Open Source GIS to Automatically Create Standards-Based Spatial Metadata in Academia - First Investigations. *OSGeo Journal*, 13, 1-16.

**REFERENCES AVAILABLE UPON REQUEST**