

PATRICK R. RICKLES

TECHNICAL PROJECT MANAGER

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PROFESSIONAL EXPERIENCE

Research Associate *University College London, London, UK (Nov 2010 – Present)*

- Project managing research teams and advising on technologies for university research
- Presenting on team outputs to interested parties 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

Managing Director *Mapping Application, London, UK (Mar 2010 – Aug 2012)*

- Improved workflows with automation and reduced cost that made visible impact for clients
- Created custom tools for niche purposes that became vital to businesses
- Led teams and efforts to roll out customizations throughout their organizations
- Presented on solutions and opened up new possibilities for further business ventures

Senior GIS Developer *WSP Group plc, London, UK (Mar 2007 – Apr 2010)*

- Led and supervised technical developments to grow the UK GIS team's external consulting capabilities
- Designed award winning applications recognized by professional UK institutions (UK IT, 2009; AGI, 2009)

GIS Developer *Esri Inc., Vienna, VA (Mar 2007 – Mar 2008)*

- Obtained US DoD TS/SCI (SIGINT/COMINT) [expired] and developed systems for map production

GIS Analyst *Advanced Resources International, Inc., Arlington, VA (Nov 2005 – Mar 2007)*

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

SKILLS

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

EDUCATION

PhD Geographic Information Science *(Pending) University College London (July 2017)*

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

MSc Geographic Information Science *University College London (Sept 2005)*

- Dissertation: "Web GIS profiles of Elevation and Vegetation information of Madagascar"

B.S. Applied Arts and Sciences *Rochester Institute of Technology (May 2004)*

- Concentrations: Computer Science Studies and Environmental Management Science

CERTIFICATIONS

Chartered Geographer (GIS) - RGS [2016], Project Management Qualification (PMQ) - APM (IPMA Level D, SCQF Level 7) [2016], Teaching and Learning in Higher and Professional Education - UCL IOE [2014]

PUBLICATIONS

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