

# PATRICK R. RICKLES

LEADER IN DIGITAL TRANSFORMATION - [patrickrickles.com](http://patrickrickles.com)

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## PROFESSIONAL EXPERIENCE

**Head of Digital Skills and Innovation** *North Sea Transition Authority, London, UK (Oct 2020 – Present)*

- 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

**Team Lead - Business Intel and Data Science** *HMCTS, London, UK (Jun 2018 – Sep 2020)*

- Led on Business Intelligence reports and manage team to enhance visualization of information
- Implementing and promoting data science approaches, building capabilities and mentoring analysts
- Presenting on analytical outputs and representing the division at meetings with the justices and executive team

**Implementation Analyst** *DLUHC, London, UK (Aug 2017 – Jun 2018)*

- Assisted with setting direction for GIS technologies and strategies that foster good practice
- Led on administration of geospatial data, proactively sought out opportunities to increase the visibility of GIS

**Research Associate** *University College London, London, UK (Nov 2010 – Aug 2017)*

- Managed staff and liaised with collaborators, presenting on team research to a variety of stakeholders
- Developed systems and tools for non-technical users with open source and proprietary technologies

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

- Led on improving workflows with automation and custom tools to reduce costs, making visible impacts

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

- Led technical developments and designed award winning applications (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 (Desktop, Server, Online), MapInfo, QGIS, Geoserver, 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** *University College London (Sep 2018)*

- 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

## LEADERSHIP AND PROFESSIONAL CERTIFICATIONS

Deputy Head of Government Geography Profession - Diversity and Inclusion [2018], Chartered Geographer (GIS) - RGS [2016], Project Management Qualification (PMQ) - APM [2016], Teaching in Higher Education - UCL IOE [2014]