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Patrick Rickles

Head of Business Intelligence and Spatial Data Science

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Royal Geographical Society
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Advancing geography
and geographical learning



Job title: Head of Business Intelligence and Spatial Data Science

Organisation: HM Courts and Tribunals Service

Location: London, UK

How did you get to where you are now?

I started off with a B.S. in Computer and Environmental Sciences from Rochester Institute of Technology (Rochester, New York) and then completed an MSc in Geographic Information Science at University College London (UCL). I wanted to see how Geographic Information Systems (GIS) were applied in different industries and ended up working in oil and gas, software engineering, defence contracting, urban planning, environmental remediation and transportation in private sector organisations in the US and UK. I also ran my own company for a while, developing bespoke geospatial web solutions for clients. I'd always wanted to pursue a PhD, and so after successfully securing a full-time Research Associate position at UCL, I undertook a part-time PhD and closed my company. It was difficult working a job and doing research at the same time, but I managed to do so thanks to the support of my loved ones (and lots of coffee). I was

W: www.rgs.org/iamageographer

curious about the public sector and how I might be able to apply my skills and knowledge to positively impact policies and decision making. I worked in the Ministry of Housing, Communities and Local Government, developing systems to ensure analysts and the public can easily access departmental geospatial information. I am currently at HM Courts and Tribunals Service (an Executive Agency of the Ministry of Justice), leading teams on data visualisation, solutions architecture and spatial analyses, such as travel time calculations.

Was there anything particularly useful that helped you get into this role?

I gained my experience through working at a variety of organisations using different technologies and quickly understanding how to create solutions with them. I previously researched topics such as Human Computer Interaction (HCI), User Experience (UX) / User Interfaces (UI) design, and Colour Science Theories and Principles (namely through cartography), which were desirable for my current role. I also have practical experience in usability testing, conducting interviews and designing and deploying surveys. My qualifications as a project manager also proved to seniors that they could trust me to manage stakeholders and deliver results. As part of my PhD research was on educational approaches, they also knew I could construct and deliver high quality training. I found out about this role through a networking event, so I recommend meeting people and sharing the work you do – you never know what opportunities could come from it.

What do you do as part of your role?

The main part of my role is to manage a team and more widely promote best practice in data visualisation and incorporate GIS to enrich outputs. I lead on integration of Esri, Microsoft and open source technologies, which includes ArcGIS Online, Power BI, Azure, and R, to

