

HENRY CROSBY

Ph.D., MSc., BSc.



Bristol, UK



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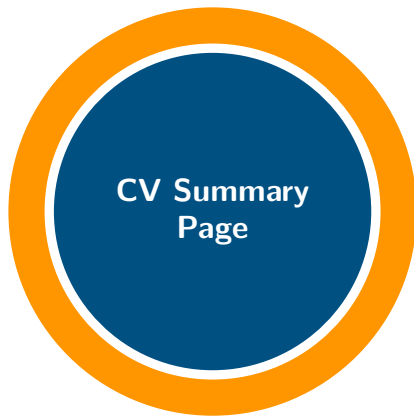
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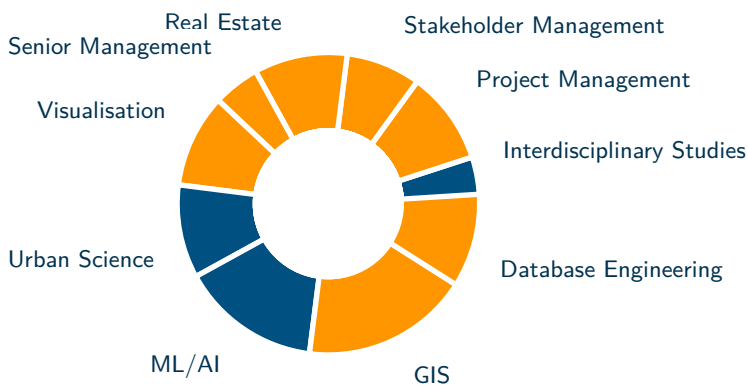


SKILLS AND EXPERTISE

Experience

Education

Size of segment = competence level



where AI = Artificial Intelligence and ML = Machine Learning.



HOBBIES, ACTIVITIES AND NON-WORK LIFE

The size of each segment represents the approximate amount of time I spend doing each hobby.



TIMELINE



Dr Henry Crosby Ph.D.

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»»» Relevant Experience

The Institute for Global Sustainable Development, University of Warwick, Remote, UK

P/T Research Fellow 06/2020-Present

- » R scripting sampling methods to better understand health care accessibility in slums.

Carterwood Ltd., Bristol, UK

Associate Director (Data Science) 12/2019-08/2020

- » First ever technical lead for Carterwood's R&D department. Primary tools include R and SQL.
- » Project manager for the majority of Carterwood's technical R&D and all of Carterwood's I.T. management.
- » Product owner for a number of new internal- and client-facing products. Tools include Trello, Jira and Wiki.

Data and Technology Manager 09/2018-12/2019

- » Determined the operational and strategic outputs of Carterwood's growing tech capabilities.
- » Set annual company objectives as a member of Carterwood's senior management team.
- » Coached analysts on R and SQL.
- » Proactively managed Carterwood's day-to-day IT and their outsourced IT solutions supplier.
- » Briefed an outsourced AGILE software and data development team for functionality-specific developments.

Data Scientist 06/2017-09/2018

- » Advised and implemented appropriate technologies, notably: AWS (EC2 and RDS), SQL, PostGIS and QGIS.
- » Built Carterwood's entire data warehouse and Carterwood Analytics' backend infrastructure.

Nimbus Property Systems Ltd., Warwick, UK

Lead Data Scientist 01/2017-06/2017

- » Briefed, sold and managed bespoke data science projects for customers.

Assured Property Group Ltd., Warwick, UK

Data Analyst 06/2016-01/2017

- » Undertook bespoke projects for customers and our in-house marketing team using MSSQL in Azure.

University of Warwick, Coventry, UK

Seminar Tutor for MSc. Level 'Algorithmic Game Theory' Module 01/2017-06/2017

- » Taught 2 seminars with 30+ students and marked their individual coursework.

Seminar Tutor for BSc. Level 'Mathematics for Computer Scientists' Module 09/2016-06/2017

- » Taught 2 seminars with 30+ students and marked their individual coursework.

Seminar Tutor for MSc. Level 'Social Informatics' Module 09/2016-06/2017

- » Taught 2 labs with 30+ students and marked their individual coursework.

Other Experience

Open Day Representative	University of Warwick, Coventry, UK	09/2014-09/2018
Queue Manager	Aston University, Birmingham, UK	08/2013-09/2013
Field Surveyor	TomTom, Midlands, UK	06/2013-09/2013
Warehouse and Logistics Management	Gist Freight Logistics Ltd., Newbury, UK	08/2011-03/2012
Marketing Intern	Aston Language Center, Wuhan, China	06/2011-08/2011
Dispatcher and Call Handler	Shopshire Doctors Ltd., Shrewsbury, UK	09/2010-09/2011
Prescription Administrator	Shopshire Doctors Ltd., Shrewsbury, UK	09/2007-09/2008

Education

University of Warwick

Ph.D. in Urban Science 09/2015-09/2018

- Thesis title: Road Distance and Travel Time for Urban Spatial Modelling.
- Focus of expertise: Machine learning, AI, Geostatistics, GIS, non-Euclidean, statistics and big data analysis.
- Supervisor: Prof. Stephen Jarvis.
- Direct collaboration with industry (Assured Property Group).

MSc in Data Science 09/2014-09/2015

- Thesis title: Exploring New Data Sources to Improve UK Land Parcel Valuation.
- Focus of expertise: Machine learning, AI, big data analysis, real estate, NLP, computer vision and optimisation.
- Projects: Document classification, sentiment analysis, image segmentation and spatial clustering.
- Algorithms: SVM, SVR, random forest, Gaussian process regression, Kriging, DBS, k-means.
- Graduated with a first class hon.

Aston University

BSc Business and Mathematics 09/2009-06/2013

- Graduated with a first class honors.

Shrewsbury Sixth form College

A-levels in Business Studies (A), Sociology (A), Mathematics (B) 09/2007-06/2009

Mary Webb School and Science College

GCSEs : 9 A* - C's including English, Science and Mathematics 09/2002-06/2007

Computer Technologies

- Advanced : R, SQL, PostGIS, QGIS, ArcGIS, \LaTeX , JIRA, Wiki, Trello, Microsoft Office Suite.
- Intermediate: MATLAB, Python.

Interests

carpentry	long distance running	yoga	Scouting
historically played guitar in a band	recorded an album	piano for pleasure at home	family
dog walking	film buff	Bristol foodie	gardening

Awards

- Four year research scholarship with industry collaboration. University of Warwick. 2014-2018.
- Nominee for "Warwick Awards for Teaching Excellence for Postgraduates who Teach". 2016.
- Scholarship attend the International Business Week at Stockholm University. 2012.
- Scholarship for cultural immersion programme "Study China". 2010.