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Oct 2012-current	Final Year PhD Candidate, University of Sheffield White Rose Scholarship, Funded by ESRC Completion date Dec 2015
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This research investigates how critical, open source approaches to computational techniques can inform a practice of architecture that is defined by digital methods, rather than simply composed of digital tools. I am exploring the social means by which 'code' becomes first 'software' and then 'simulation', and through open source approaches look for the new understandings of 'interface' that are required between the digital and the designers.

Co-supervisor: Dr Mark Meagher

The research examined the use of dynamic learning systems and adaptive topologies within neural networks, and their implications as tools for architectural mappings. The research investigated the ability of such systems to identify, map, model and represent flows within dynamic data sets and identify topological relationships between these flows in an urban context.

**Sept 1997-
June 2000** ***BA (Hons) Architecture - University of Sheffield***
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Bryden Wood is a multidisciplinary design practice that focuses on innovative prefabrication and 'design for manufacture' solutions. As associate, I am head of 'Digital Delivery' and responsible for the research and development of BIM strategies. Bryden Wood is recognised as an industry leader in this field. We are currently collaborating with the leading software companies to develop the UK government's BIM standards.

Slider Studio is a multi-disciplinary design, digital media and research practice, specialising in the development of digital tools and collaborative software for architectural and urban design. As project director, I was responsible for project based research and development of the companies 'siteCapacity' software, relating to detailed housing information models.

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2015

June 2013

May 2013

Sep 2012

Dec 2009

July 2009

June 2009

Jan 2008

Dec 2007

Nov 2007[illegible]

Teaching

- Aug 2014** **Relearn: Variable summer School, Brussels**
5 day Workshop - 'the quantified self - reMakeHuman'
Using the software developed as part of the 'reMakeHuman' project and in collaboration with Natacha Roussel and Anna Carreras, this workshop involved the development of alternative methods of body quantification that contest mainstream methods and tools that are currently used to define health, fitness and the body
Relearn is a summer school organised by feminist art-lab 'Constant'.
- Nov 2014** **GenderBlending Worksession, Brussels**
5 day Worksession ' reMakeHuman'
Genderblending was a collective worksession between body hackers, 3D theorists, game activists, queer designers and software feminists to experiment at the contact zones of gender and technology.
Event organised by feminist art-lab 'Constant'.
- Oct 2014** **Invited Speaker, MSc in Social Development Practice,**
The Bartlett Development Planning Unit, UCL
'Social Media and Technology': A 3 day workshop focusing on the 'social uses of technology'. Format comprised two lectures and seminars, with a practical session involving 'social making' and DIY aerial photography.
- June 2014** **Relearn: Variable summer School, Brussels**
5 day Workshop - ' A different Kind of Design'
Using software developed during my PhD research, the workshop used 'versioning' as a way of disrupting and remaking conventional 3D design work flows to create an open stream of computational design data to dynamically explore the pasts, presents and futures of our digital designs.
Relearn is a summer school organised by feminist art-lab 'Constant'.
- Nov 2013 -** **MArch/ PGT Design Tutor - Studio Open Data, with Mark Meagher.**
June 2014 **Sheffield University, School of Architecture**
Explored the architectural and spatial implications of free, widely-available, open-source data. This involved a creative and critical engagement with methods for making, understanding, and communicating data. As part of the studio we investigated what it means to take an 'open source' approach to architectural design and production. This will included the use of open source softwares (e.g. processing, openframeworks) and hardwares (e.g. arduino, 3D printing) to explore the 'social making' of data-driven design and production.
- 2007 - 2012** **MArch Workshops.**
Sheffield University, School of Architecture
Series of 2 and 3 day workshops entitled 'Digital Design Tactics', with Diploma/ MArch students investigating parametric methods through physical modelling of project data;