

# Isla Staden

*curriculum vitæ*

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## Education

2013–2016 **B.A.(Hons) Mathematics**, *University of Cambridge*.

Third Year Modules:

- Algebraic Topology
- Logic and Set Theory
- Graph Theory
- Riemann Surfaces
- Galois Theory
- Representation Theory
- Algebraic Geometry

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## Experience

Current: Alan Turing Institute

2017 **Research Assistant**, *Alan Turing Institute*, London.

Lead developer and research analyst for various projects at the Alan Turing Institute

- **Brain Networks in Python**

I received a Mozilla Science Lab mini-grant (\$5,000 US) to refactor the Brain Networks in Python codebase (Whitaker\*, Vertes\* et al, PNAS, 2017) and release it as a python package. Brain Networks in Python is a toolkit to analyse structural covariance brain networks using Python. The project is openly developed on GitHub [[github.com/WhitakerLab/BrainNetworksinPython](https://github.com/WhitakerLab/BrainNetworksinPython)] and is participating in promoting open source contributions though Hacktoberfest. I am mentored (by selection) as part of the Mozilla Open Leadership Training program.

- **Investigating the effects on citations of data-availability statements**

I have been working with researchers from the European PubMed Central in Cambridge, from Springer Nature and from the Alan Turing Institute in London to investigate the effects of data-availability statements on article citations in a cohort of 200,000 open access research papers. Responsibilities include data management, developing traditional frequentist multivariate analyses along with machine learning predictions of article citations, and coordinating researchers from three distinct institutions.

- **NSPN Data**

NSPN is a £5 million Wellcome Trust strategic award to the University of Cambridge and University College London. Eighty researchers have collected and analysed data from more than 2,500 adolescents, longitudinally over three years. I am working to make this dataset available to researchers outside of the NSPN according to proper FAIR guidelines: <https://www.force11.org/group/fairgroup/fairprinciples>.

## Previous

- 2017 **Clinical Trials Data Clerk**, *Oxford Trauma*, University of Oxford, Oxford.  
Dec. 2014 **Temporary Administration Assistant**, *Harris Westminster Sixth Form*, London.  
2013 **Reception Work**, *Deborah Ubee Trust*, London.

## Open Science Leadership

- 2017 **Mozilla Open Leadership training**, Selected for mentorship in Mozilla Open Leaders cohort. Mozilla Open Leaders is a project to fuel the Internet Health movement by offering mentorship and open leadership training to open project leads.
- 2017 **Selected for attendance at OpenCon**, OpenCon brings together leading students and early career academic professionals from across the world to advance Open Access, Open Education and Open Data. From the 14,000 applicants this year, I was among the 200 chosen to attend.
- 2017 **Mozfest session facilitator**, Facilitated a session on Brain Networks In Python at Mozilla Festival 2017.

## Other

- Member of winning team of the Everyday Sexism Datahack at the Oxford Internet Institute.
- Co founder of Chu-ciné: Churchill College Film Club.

## Technical Skills

### Languages

Python	<i>Expert</i>	C	<i>Proficient</i>
		Racket	<i>Proficient</i>

### Other

Git and GitHub	<i>Expert</i>	Linux and Linux Tools	<i>Proficient</i>
		Testing and Continuous Integration	<i>Proficient</i>

## References

### Academic

- Dr Thomas Forster
- Dr Paul Russell

### General

- Dr Kirstie Whitaker
- Dr Barbara McGillivray