

# Clinton Boys

## Curriculum vitae

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🌐 [clintonboys](https://www.github.com/clintonboys)

Nationality: Australian | Languages: English, Hebrew

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I am a data scientist, algorithm developer and team leader with a deep mathematical and analytical background.

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## Experience

- Sep 2020 – **Data science team leader**, *Via*, Tel Aviv, Israel.  
now Leading the supply planning team in the algorithms and optimization research group.
- Aug 2018 – **Data scientist and algorithms developer**, *Via*, Tel Aviv, Israel.  
Sep 2020 Part of the predictive optimization team in the algorithms research group working on driver behaviour models, incentive optimisation and shift planning.
- Sep 2016 – **Data science and engineering team leader**, *Playbuzz*, Tel Aviv, Israel.  
Jul 2018 Built and led a team of data scientists and data engineers. Designed and built scalable data collection, processing (ETL) and serving infrastructure.
- Jun 2015 – **Data scientist**, *Playbuzz*, Tel Aviv, Israel.  
Sep 2016  
2015 **Honorary associate and lecturer**, *University of Sydney*, Sydney, Australia.
- Feb 2011 – **Postgraduate teaching fellow**, *University of Sydney*, Sydney, Australia.  
Dec 2014

## Education

- 2011–2015 **Ph.D., Pure Mathematics**, *University of Sydney*, Sydney, Australia.  
Thesis title: *Alternating quiver Hecke algebras*. Supervisor: *Professor Andrew Mathas*.  
My [thesis](#) gives an explicit connection between my creation and a family of algebraic objects which have been studied for centuries, providing new insight and structure for these objects.
- 2007–2010 **B.Sc. (Advanced Mathematics) (Hons)**, *University of Sydney*, Sydney, Australia.  
First Class Honours in Pure Mathematics.

## Research publications

- 2017 *Quiver Hecke algebras for alternating groups*. (with A. Mathas). *Math. Z.* **285** pp. 897–937 (2017). arXiv:[1602.07028](#).
- 2016 *Alternating quiver Hecke algebras*. *J. Alg.* **449** pp. 246–263 (2016). arXiv:[1504.05532](#).
- 2016 *Semisimple representations of alternating cyclotomic Hecke algebras*. *Algebr Represent Theor* **19** pp. 235–253 (2016). arXiv:[1502.07065](#).

## Skills

I am a full stack data scientist, comfortable and experienced with mining, gathering and storing data, analysis, experimentation, modelling, visualising and communicating. I am also an experienced software engineer and algorithms developer.

- Analysis** Python, R, SQL, Excel, Tableau
- Infra** Databases, ETL, Distributed computing, Docker, AWS Lambda / ECS
- Libraries** sklearn, numpy, scipy, statsmodels, pulp, or\_tools
- Other** Mathematica, MATLAB, GAP, Linux, AWS, git, Rust, lisp, L<sup>A</sup>T<sub>E</sub>X

My [personal website](#) contains a number posts on various topics, and some examples of small personal projects of mine. The code for most of my projects is available on my [Github](#) account.

## Interests

I am very interested in politics, elections and electoral systems, as well as the use of mathematical models and data to forecast and predict elections. I love to travel and meet new people. I'm also very fond of cricket (and its capacity to provide interesting statistics), am a keen runner and love to listen to and create music.