

Justin Barton

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Proficient with: Python, Pandas, Java, C#, SQL, Visual Basic, Excel, Access, XML, JSON

Studied/Experimented with: scikit-learn, R, Mathematica, Matlab, Flask

DATA PROJECTS - HIGHLIGHTS

- **Grant Tree (UK) - *Estimating cost per R&D claim to drive new product development***
Analysed 5 years of R&D Tax claim data to build a new business case. Cost model for claims drove the decision to invest in a new business model. Developed new product and software for clients.
- **ASC (Au) & Navantia (Spain) - *Improving reliability of PLC code creation software***
Automated data manipulation and checking process of database to PLC code creation software. The improvements, reduced re-work on the build of Australia's, 150m long Naval ships, the AWDs.
- **Personal - *Predicting the best players in the Australian Football League (the Brownlow)***
Correctly predicted the Brownlow winner, and 8 of the top 12 players. There were 594 individual predictions made – 22 full rounds, 9 matches per round, 3 players receiving votes per match.

EDUCATION

Springboard (www.springboard.com) 2016

- *Data Science Intensive*

University of Adelaide, Australia 2004 - 2008

- *Bachelor of Science – Mathematical & Computer Sciences*
- *Bachelor of Engineering (honours) – Electrical & Electronic*

EXPERIENCE - HIGHLIGHTS

Grant Tree (UK) - *startup* 2014 - 2016

Funding for tech companies

- Data Analyst (python, pandas, R, Visual Basic, Excel)
- Product Lead (building software & new business model for high volume business)

Leyton (UK) 2014

Funding for tech companies

- Research & Development Tax Consultant (technical & financial analysis for clients)
- Writer (technical reports for non-technical people)

ASC (Australia) & Navantia (Spain)

Submarines & ships – building & maintenance 2009 – 2013

- Software Engineer (SQL, Visual Basic, Access, Excel)
- Control Systems Engineer
- Project, Electrical, Logistics & Production Support Engineer