



# SIMON McMAHON

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## PERSONAL STATEMENT

I am an early career data scientist with experience in cloud infrastructure, database management and the statistical/machine learning methods of data science. I possess strong coding skills which is informed by a deep understanding of the underlying mathematics.

A crucial difference between myself and other technically talented people in these areas is my communication and sales experience. Throughout my role building a tutoring company part time as I studied in university, I literally explained challenging concepts 15-20 hours a week for over 3 years. I became well-versed in listening to client feedback, maintaining customer relationships and communicating clearly.

## SKILLS

*Programming*  
**(MATLAB, Python, R, SQL, VBA, git)**  
*Database Management*  
*Research and Data Analysis*

*Data Analytics*  
*Explanation of Technical Material*  
*Machine Learning*  
*Client acquisition / communication / management*

## EDUCATION & AWARDS

### University of Queensland — Bachelor of Mathematics

2017

Completed a degree in Mathematics with a focus on **applied concepts** such as **statistics, operations research, practical optimization** and **financial mathematics**.

### University of Queensland — Vice Chancellor Scholarship

2013

**Awarded a \$12 000 p.a. scholarship** based on academic merit. It is the **highest value undergraduate scholarship** the University of Queensland awards.

### All Saints Anglican School — Queensland Certificate of Education

2012

Graduated with an **exit mark of an OP1 (ATAR 99.95)**. This is the **highest possible exit mark**.

## WORK EXPERIENCE

### NoiseNet— Data Scientist

08/2017 – Current

In my current position I am responsible for the acquisition, cleaning, management and analysis a broad range of datasets (GIS, database etc.) for an ambitious residential noise analysis startup.

### Jacaranda Finance — Junior Data Analyst

Semester 1, 2017

Worked as a data analyst for a financial services company developing a credit scoring algorithm using a variety of statistical (logistic regression, decision tree and random forest) and machine learning methods). The service was deployed as a web API (to integrate with their existing stack) via Microsoft Machine learning server to process incoming applications in real time.

### University of Queensland — Casual Academic Tutor

Semester 1, 2017

Well received and reviewed academic tutor mathematics at the university. This involved presenting and explaining mathematics to a tutorial of 25 people multiple times each week, as well as marking assignments and providing feedback.

### Altius Tutoring — Founder and Head Tutor

2013 – 2017

I started a private tutoring company specialising in 1-on-1 tutoring for senior school mathematics, physics and chemistry. Within this role I developed **excellent communication skills** - routinely extracting and dissecting the essence of a complex concept and explaining it in plain English. I also gained valuable skills **in sales, marketing and scheduling**.

## EXTRA-CURRICULAR ACTIVITIES

### Pro Bono Econos – Volunteer Consultant

Semester 1, 2016

I joined the team in Semester 1 2016 and **analysed the economic impact of proposed regional innovations centres in Queensland**. I learnt a great deal about **assessing client needs in consulting** and developed a **passion applying mathematics in a real-world** environment.

### University of Queensland – Student Leader

Semester 1, 2016

### University of Queensland – Science Ambassador

March, 2016

Represented the University of Queensland in a public capacity promoting science in the broader community.

## PROFESSIONAL AFFILIATIONS

**SSA** (Statistics Society of Australia) & **AMSI** (Australian Mathematical Sciences Institute)

## HOBBIES/INTERESTS

Hiking and bushwalking / Cycling / Board Games / Ultimate Disc

**REFEREES AVAILABLE UPON REQUEST.**