

Xavier O'Rourke

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📄 github.com/X4vier/Application-Material

Education

2012-2017 **Bachelor of Science / Bachelor of Economics**, *Australian National University*.
(Ongoing)

Majors: Physics, Economics

Minors: Mathematics, Computer Science

Distinction average

Please see GitHub repository for a link to my transcript

2016 **Machine Learning**, *Stanford Online Course*, Grade: 98.

Please see GitHub repository for a link to my certificate.

2017-2018 **Self-Driving Car Nano-Degree**, *Udacity (Online Course)*.
(Ongoing)

Experience

2017 **Tutor**, *The Australian National University*.
(Ongoing) I help teach a third year artificial intelligence course at ANU. Topics covered in this course include reinforcement learning search, knowledge representation and reasoning, constraint satisfaction and planning. My role in this position involves:

- Running tutorials and computer-lab sessions.
- Reviewing and de-bugging assignments before they're released
- Helping to prepare course content and tutorial questions
- Grading assignments

2017 **Returning Officer**, *Effective Altruism ANU*.
(Ongoing) This year I helped found the student club "Effective Altruism ANU". The purpose of this organisation is help its members do more good with their careers. My role in this organisation involves:

- Organising and managing events
- Giving public presentations on topics related to practical ethics
- Managing the group's social media page
- Taking minutes and conducting elections during official meetings

2011–2015 **Educator**, *Forrest Outside of School Hours Care*.

My role in this position included:

- Developing relationships with children and families
- Negotiating and resolving conflicts between children and/or families
- Receiving feedback about the center from parents and families and discussing their concerns
- Conducting risk-assessments for the center
- Training and managing new staff
- Administering and documenting first-aid
- Assisting in the purchase, set-up and maintenance of the service's IT equipment
- Writing and updating policies and procedures for the service which comply with the National Quality Framework standards

Personal Strengths

Interpersonal Skills I am very comfortable interacting with others and have a strong preference to work in a team. I share extremely positive relationships with co-workers, teachers and peers. I take great care to pay attention to how others are feeling and respond appropriately.

High Motivation I get a kick out of making progress on a task and love being part of a team that accomplishes something together. I greatly prefer being productive than idle, I'm passionate about helping people and solving problems, I'm reliable, and I'm highly focused.

Critical Thinking During my studies at ANU I've gained extremely valuable technical and analytical skills. I am competent in applying these skills to real problems and I always think strategically about how best to complete a task or achieve a goal.

Programming Languages

Proficient in: Java, Python (including numpy, scipy)

Familiar with: Matlab, HTML/CSS, Javascript, Android, Haskell, bash, R, Mathematica, \LaTeX

Please see [gitHub repository](#) if you would like to see examples of code I've written.

References

Prof. Sylvie Thiebaux

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