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📄 github.com/X4vier/Application-Material

Xavier O'Rourke

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

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

2017 **Tutor**, *The Australian National University*.

(Ongoing) My role in this position includes:

- Supporting the learning of students enrolled in ANU's third year artificial intelligence course. Topics covered include search, knowledge representation and reasoning, constraint satisfaction, planning, and reinforcement learning.
- Reviewing and de-bugging assignments before they're released
- Helping lecturers prepare tutorial questions
- Grading assignments and quizzes

- 2017 **Returning Officer**, *Effective Altruism ANU*.
(Ongoing) This year I helped found the student club "Effective Altruism ANU". The purpose of EA ANU is to foster friendships and help its members do more good with their careers. My role in this organisation includes:
- Organising and managing events such as social dinners, group discussions, debates, and movie nights
 - Helping to manage the group's social media page
 - Taking minutes and conducting elections during official meetings

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 visit github.com/X4vier/Application-Material if you would like to see an example of code I've written.

References

Prof. Sylvie Thiebaux

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Relationship: *Boss*

Dr Enrico Scala

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Relationship: *Boss, former teacher*