

CURRICULUM VITAE

Alexander Telfar

Skills

I am confident in my ability to use;

python, numpy, linear algebra, calculus, machine learning, tensorflow, jax.

I have some experience applying (non trivial);

torch, pandas, natural language processing, statistics, signal processing, AWS.

Experience

PhD in Chemistry at UG	<i>(Sept 2020 - Current)</i>
“Structure elucidation, and its limits”	
Research assistant at VUW (part time)	<i>(Mar 2020 - June 2020)</i>
Reinforcement learning and simulated robotics	
Masters in computer science at VUW	<i>(Oct 2018 - Jan 2020)</i>
Thesis topic was “Abstraction for efficient reinforcement learning”.	
iGEM	<i>(Jan 2019 - Oct 2019)</i>
Optimisation of a glycerol-based enzymatic fuel cell (details here)	
Research assistant at VUW (part time)	<i>(Jun 2018 - Aug 2018)</i>
Deep learning and compressed sensing for MRI imaging (details here)	
Machine learning developer at NEC	<i>(Nov 2016 - Dec 2017)</i>
Audio and visual classification in NEC’s ‘Smart city’ team.	
Teaching assistant at VUW	<i>(July 2017 - Nov 2017)</i>
Assignments and lectures for COMP 421 (see an example here)	
PgDip in computer science at VUW (unfinished)	<i>(Feb 2016 - Nov 2016)</i>
Neural networks and unsupervised learning courses	
Summer research scholarship at VUW	<i>(Dec 2013 - Feb 2014)</i>
Modelling of a neural signalling pathway.	
Mechanical engineering at UC	<i>(Mar 2010 - Nov 2013)</i>
2-1 honors (~B+ average) focusing on controls and biological modelling.	

Places to find me

[Github](#), [twitter](#), my [‘research’ blog](#) and my [personal blog](#).

Referees

Can provide if wanted.