

# Liam Schoneveld

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<b>EDUCATION</b>	<b>Master of Science (Artificial Intelligence)</b> 2015-2017 The University of Amsterdam <i>Weighted average mark of 8.5/10 (Cum Laude).</i>
	<b>Bachelor of Commerce (Liberal Studies)</b> 2009-2013 The University of Sydney <i>Majors in Economics and Econometrics. Weighted average mark of 79/100.</i>
	<b>New South Wales (Australia) Higher School Certificate</b> 2003-2008 Fort Street High School, Sydney <i>University Admission Index of 98.45/100.</i>
<b>PROFESSIONAL EXPERIENCE</b>	Data Scientist (Deep Learning / Computer Vision), <b>Pandascore</b> Oct 2017-Present Work at Paris-based eSports-focused start-up Pandascore, developing and deploying deep learning models for computer vision and other prediction tasks. The team at Pandascore is pleased with my ability to produce and deploy high-quality models for varying tasks, and to devise solutions to some of our more challenging problems.
	Machine Learning Expert, <b>Scyfer (acquired by Qualcomm)</b> Feb-Sep 2017 Interned at Scyfer, a machine learning and artificial intelligence consultancy spun off from the University of Amsterdam. My work here formed the thesis component of my master's degree, which focused on researching and developing semi-supervised (deep) learning methods. The quality of my work and knowledge shared led to praise from across the team, and improved outcomes for Scyfer's customers.
	Economics Consultant, <b>PricewaterhouseCoopers</b> 2013-2017 Worked with Pricewaterhouse Coopers' (PwC) Sydney-based Economics & Policy consulting team. Focus was on economic and econometric modelling, and associated analysis and reporting, primarily in the transport industry. The consistent value I brought to projects at PwC saw me continue to receive remote work while completing my master's degree in Amsterdam.
	Econometrics Contractor, <b>LEK Consulting</b> 2016-2017 Contracted by consulting firm LEK as an econometrics expert to deliver demand forecasting models and associated research and data analysis to its client. Was responsible for all technical aspects of the project, which included the development of a bespoke Bayesian ARIMA-style model for traffic forecasting, as well as liaising with the client on a weekly basis. The client was pleased with the robust forecasting model and analysis that resulted, which were delivered on time and within LEK's allocated budget.
	Software Developer / Data Entry Clerk, <b>Law in Order Pty Ltd</b> 2010-2013 Worked in a team tagging and labeling documents to produce electronic databases of evidence used by law firms. Additionally proposed, developed and maintained an MS Access/VBA/SQL-based software tool which enabled better identification of inconsistencies in database outputs, leading to improved quality assurance practices and outcomes for the firm.

## OTHER ACHIEVEMENTS

- Ongoing: Maintain a blog with posts on machine learning at [nlml.github.io](https://nlml.github.io)
- Ongoing: Where possible, contribute to open source projects on GitHub - e.g. Pytorch (see <https://github.com/nlml>)
- Ongoing: Answer questions on StackOverflow, see: [stackoverflow.com/u/6167850](https://stackoverflow.com/u/6167850) & [stats.stackexchange.com/users/112095](https://stats.stackexchange.com/users/112095)
- 2018: Presented at Meetup Computer Vision Paris, presentation titled: *Tracking Player Positions on the League of Legends Minimap*
- 2018: Participated in the 2018 Amsterdam Dance Event Hackathon (worked in a team to build a deep learning-based reverse image search application)
- 2018: Participated in the Kaggle TensorFlow Speech Recognition Challenge (placed 186th out of 1100 participants)
- 2017: Graduated *Cum Laude* from the MSc Artificial Intelligence program at the University of Amsterdam
- 2017: Received an 8/10 for my MSc AI thesis: *Semi-Supervised Learning with Generative Adversarial Networks*, supervised by Prof. Dr. Max Welling and Taco S. Cohen
- 2016: Placed 1st out of approximately 50 student groups in a Kaggle-style machine learning competition as part of the UvA/VU course *Data Mining Techniques*
- 2015: Placed 17th out of 985 participants in Kaggle's *Facebook Recruiting IV: Human or Robot?* data science competition
- 2013: Placed 2nd out of 108 students in the *Operations Management* course at the University of Sydney
- 2010: Awarded two separate International Exchange Scholarships by the University of Sydney, based on academic merit
- 2008: Placed 7th of 2730 students in Higher School Certificate course *Software Design and Development*.

## SKILLS AND STRENGTHS

### *General:*

- Broad knowledge in fields relating to machine learning, statistics, computer science and economics, obtained both academically and through practice
- Excellent writing skills; able to concisely convey ideas to diverse audiences
- Great verbal communication skills; thrive in a team environment.

### *Programming languages/software experience:*

- Expert in Python and its data science / machine learning stack (numpy, sklearn, pandas, matplotlib, etc.)
- Expert in modern deep learning libraries (namely, Pytorch, TensorFlow, Theano)
- Strong experience with Unix/Linux/Ubuntu
- Experience developing a machine learning model deployment system using Docker, Cassandra, Postgres, RabbitMQ, RethinkDB, Redis
- Expert in Git, R, VBA, Matlab, SQL,  $\LaTeX$
- Experience with Java, C++, HTML, CSS, JavaScript
- Data and geospatial visualisation abilities in Tableau and Quantum GIS (QGIS)
- Expert in Microsoft Office; have developed large, advanced models in Excel.