

Liam Schoneveld

EDUCATION	Master of Science (Artificial Intelligence) 2015-2017 The University of Amsterdam <i>Weighted average mark of 8.5/10 (Cum Laude).</i>
	Bachelor of Commerce (Liberal Studies) 2009-2013 The University of Sydney <i>Majors in Economics and Econometrics. Weighted average mark of 79/100.</i>
	New South Wales (Australia) Higher School Certificate 2003-2008 Fort Street High School, Sydney <i>University Admission Index of 98.45/100.</i>
PROFESSIONAL EXPERIENCE	Lead Data Scientist, Gust Oct 2019-Present Developing and deploying machine learning algorithms for mobile-based social media apps. Projects thus far are focused on human voice and facial expression understanding, emotion recognition, and video summarisation. Am also engaged through Gust in a research collaboration with Dr. Alice Othmani of Universit Paris-Est Crteil, working on a paper in the emotion recognition space.
	Data Scientist (Deep Learning / Computer Vision), Pandascore 2017-2019 Developing and deploying deep/machine learning models for prediction and computer vision in e-sports.
	Machine Learning Specialist, Scyfer (acquired by Qualcomm) Feb-Sep 2017 Completed my Artificial Intelligence (AI) masters' thesis while interning at Scyfer, an AI consultancy that was acquired by Qualcomm in late 2017. During this period I researched and developed semi-supervised deep learning techniques, focusing on computer vision applications.
	Econometrics Contractor, LEK Consulting 2016-2017 Contracted in 2016 by L.E.K. Consulting to develop econometric revenue analysis and forecasting models for several assets belonging to a large (ASX top 50) Australian client.
	Economics Consultant, PricewaterhouseCoopers 2013-2017 Consulted with clients primarily from the transport industry. Focus was on econometric and economic modelling (e.g. demand forecasting, cost-benefit analyses, project appraisal, etc.) and associated analysis and reporting. Continued in this role remotely from 2015 while studying my MSc in Amsterdam.
	Software Developer / Data Entry Clerk, Law in Order Pty Ltd 2010-2013 Worked in a team tagging and labeling documents to produce electronic databases of legal evidence. This role evolved to include software development and maintenance, after a database assurance tool I proposed to management was given the go-ahead.

OTHER ACHIEVEMENTS

- Ongoing: Maintain a blog with posts on machine learning at nlml.github.io
- Ongoing: Where possible, contribute to open source projects on GitHub - e.g. Pytorch, mlflow (see <https://github.com/nlml>)
- Ongoing: Answer questions on StackOverflow, see: stackoverflow.com/u/6167850 & 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 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 professionally
- 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
- 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, Julia
- Data and geospatial visualisation abilities in Tableau and Quantum GIS (QGIS)
- Expert in Microsoft Office, notably Excel