Liam Schoneveld

EDUCATION

Master of Science (Artificial Intelligence)   2015-2017
The University of Amsterdam
Weighted average mark of 8.5/10 (Cum Laude).

Bachelor of Commerce (Liberal Studies)   2009-2013
The University of Sydney
Majors in Economics and Econometrics. Weighted average mark of 79/100.

New South Wales (Australia) Higher School Certificate   2007-2008
Fort Street High School
University Admission Index of 98.45/100.

**PROFESSIONAL
EXPERIENCE**

Data Scientist (Deep Learning / Computer Vision), **Pandascore** Oct 2017-Present

Work at Parisian eSports-focused start-up Pandascore, developing and deploying deep learning models for computer vision and prediction tasks. The team at Pandascore is pleased with my ability to quickly produce and deploy high-quality models for varying tasks, and to devise solutions to some of our more challenging problems.

Machine Learning Intern, **Scyfer (acquired by Qualcomm)**   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 masters' 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, **PricewaterhouseCoopers**   2013-2017

Worked with Pricewaterhouse Coopers' (PwC) Sydney-based Economics & Policy consulting team. Primary focus was on economic and econometric modelling, and associated analysis and reporting. The consistent value I brought to projects at PwC saw me continue to receive remote work while completing my masters' degree in Amsterdam.

Econometrics Contractor, **LEK Consulting**   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 most aspects of the project, which involved the development of a bespoke Bayesian ARIMA-style model. The client was pleased with the robust forecasting model and analysis that resulted, which were delivered on time and within LEK's allocated budget.

Data Entry Clerk / Software Developer, **Law in Order Pty Ltd**   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**
- Ongoing: Have provided solutions to several questions as user nlml on StackOverflow and at stats.stackexchange.com
- 2018: Participated in the 2018 Amsterdam Dance Event Hackathon (together with my team, built 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 simplify and 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 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 stack using Docker, Cassandra, Postgres, RabbitMQ, RethinkDB, Redis
- Expert in 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.