

Linus Ericsson

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EDUCATION

CDT in Data Science - University of Edinburgh, UK

From September 2018

I am currently in the first year of a CDT programme in Edinburgh. I'm working on meta-learning approaches to generalisation within deep RL. This work is supervised by Tim Hospedales.

Durham University - Durham, UK - Computer Science

September 2014 - June 2018

I studied for 4 years in Durham and completed an undergraduate and Master's degree in Computer Science.

EXPERIENCE

Playing Multiple Games with Deep Reinforcement Learning, Master's Thesis

June 2017 - PRESENT

We evaluate the efficacy of transfer, kickstarting and multi-task learning approaches. Our aim is to reduce the training time and increase the final score of agents playing multiple Atari games. Results show that we can speed up the training of agents through transfer and kickstarting.. We also show that multi-task learning boosts the learning rate on one of four games, but at the cost of lower final scores across all games.

Teaching and Demonstrating, Durham University

September 2017 - PRESENT

During my 4th year at Durham University, I undertook weekly teaching and demonstrating tasks. This included helping out students in their first and second years in practicals and marking minor assignments.

Computer Vision Research Group, Durham University

June 2017 - August 2017

I worked with Professor Toby Breckon over the summer, developing dense stereo vision and visual odometry for robotics. I also had the chance to collaborate with the Centre for Vision and Visual Cognition on a project involving Brain-Computer Interfaces as an application of Deep Learning.

ACADEMIC MARKS

Durham University

Overall Master's 80%

Machine Learning 85%

Computer Vision 87%

Theoretical Computer Science 82%

AWARDS

Certificate of Outstanding Achievement - for all years at Durham University.

Bronze Award for Best Poster - for my undergraduate project 2016/2017.

SKILLS

Confident in Object-Oriented, Scientific Programming and Machine Learning as well as a strong theoretical background.

Using technologies like Python, PyTorch / TensorFlow, OpenCV, C++, Javascript, WebGL.

LANGUAGES

Fluent in Swedish and English

Intermediate level in German and Spanish

Composing Music using Machine Learning – Undergraduate Project

June 2016 - May 2017

The aim of my 3rd year project was to develop an interactive music composition system. Live MIDI input from the user formed the starting point for a genetic algorithm to generate possible continuations of the melody. Each individual in a population was evaluated using a Recurrent Neural Network trained on a large dataset of chord progressions.

hedgehog lab, Newcastle, UK – Software Development Intern

June 2016 - August 2016

I spent 8 weeks working for the app development company hedgehog lab where I learnt iOS and OS X native development. I gained valuable experience from working on a big client project and from creating in-house software to help with their development process.

Own Company, Jönköping, Sweden – Manager

June 2013 - PRESENT

I set up my own company in Sweden for a project I had after graduating school. Through this I had a brief introduction to software development and working in a group delivering a product to a client.

Familjen Ericssons City Hotel, Jönköping, Sweden – Receptionist

June 2010 - PRESENT

I've worked for several years in our family run hotel. My main position is as a receptionist, welcoming the guests and helping with requests. Other responsibilities include conference organising and waitering.

Group Project/Community Engagement Project – University Module

One of my second year modules was a software development project where we worked in groups together with a charity to help them solve their IT problems. In our case we upgraded their previous spreadsheet solution to a scalable database with an admin dashboard for handling their volunteer data.

FAVOURITE TOPICS

Meta-learning

Bayesian Deep Learning

Reinforcement Learning

NLP

Theoretical Computer Science

INTERESTS

I'm very interested in music and have played in 2 bands as guitarist and lead singer. I write my own songs and have published songs on Spotify.