Eyvind Niklasson

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Last Updated on 13th February 2021

EDUCATION

CORNELL UNIVERSITY

MEng in Computer Science
May 2018 | New York, NY
Dean's List all Semesters | 3.9/4.0 GPA

BA in Computer Science, Minor in Physics
May 2017 | Ithaca, NY
Dean's List S15, F15, S17

VIKTOR RYDBERG ODENPLAN

May 2013 | Stockholm, Sweden

LINKS

Http:// **eyvind.me**
Github:// **eyvindn**
LinkedIn:// **eyvindniklasson**

REL. COURSEWORK

GRADUATE (PhD LEVEL)

Advanced Topics in Machine Learning
Advanced AI
Advanced NLP
Algorithmic Game Theory
Analysis of Algorithms
Structure of Information Networks

GRADUATE

Machine Learning
Computer Vision
Cryptography

UNDERGRADUATE

Operating Systems
Artificial Intelligence + Practicum
Functional Programming
Theory of Computation

TEACHING

Head Graduate TA
NBAY/INFO 5400
Fundamentals of Modern Software (F17)
Undergraduate TA
CS 4300
Language and Information (S16, S17)

SKILLS

PROGRAMMING+LIBRARIES

Extensive
TensorFlow • PyTorch • Python • Java
Intermediate
Scala • Perl • Octave • LaTeX
Familiar
OCaml • C • C++

EXPERIENCE

GOOGLE | AI Resident

Oct 2019 - present | Zürich, Switzerland
Research in self-organising systems. Published articles on Distill.

GRO INTELLIGENCE | Data Scientist

Aug 2018 - Jun 2019 | New York, NY
Data scientist role with focus on contemporary machine learning. Applying neural network techniques from current literature (EMNLP, etc.).

RECORDED FUTURE | Machine Learning Intern

May 2015 – June 2015, May 2014 – June 2014 | Gothenburg, Sweden
Worked extensively in Tensorflow implementing machine learning algorithms for sentence classification, based on newly published articles in this field.

RESEARCH

CORNELL NLP GROUP | Researcher

Jan 2018 – June 2018 | New York, NY
Worked with **Dipendra Misra** and **Professor Yoav Artzi** on natural language grounding and instruction following using Deep Reinforcement Learning. Extensive work in Tensorflow and PyTorch. Accepted to **EMNLP 2018** - see Papers below.

CORNELL LEPP | Undergraduate Researcher

Jan 2014 – May 2015 | Ithaca, NY
Research assistant at Laboratory for Low Energy Particle-Physics, working on a project in Astrophysics to search for dark photons in positron collisions with **Professor James Alexander**. Designed and tested a particle detector. The work involved heavy simulation using a large C++ simulation framework [Geant4].

NORDITA | Research Assistant

2012 – 2013 | Stockholm, Sweden
Worked at Nordic Institute for Theoretical Physics on a now published research project in Astrophysics: [**Particle energization through time-periodic helical magnetic fields**] with **Dr. Dhrubaditya Mitra**. Developed a particle path simulator in Python, and later ported this to C++ to run on CUDA cards: **[Pyoden]**.

PROJECTS + PAPERS

- **Distill** - Self-Organising Textures
- **Distill** - Growing Neural CA
- **EMNLP 2018** - Mapping Instructions to Actions in 3D Environments with Visual Goal Prediction available **[here]**.
- Advanced AI Project - Blocked Direct Feedback Alignment available **[here]**.
- Advanced Topics in ML - Densely Connected PixelCNN available **[here]**.

MENTIONS + AWARDS

- Listed 6 times on **[Google Hall of Fame]** for identifying severe security bugs and once on **[Facebook White-Hat Hall of Fame]**.
- Named one of Google's "top security researchers" for 2015.
- M.Eng project **[LitOS]** won Cornell Tech Startup Awards + 100,000$ funding.
- Identified and disclosed security issue in iOS to Apple
- Completed, and helped develop/administer, challenges for **[Tasteless Challs]**
- Cornell Chronicle article about me **[here]**
- Vice-President, co-founder and CTF team lead for **[Cornell Hacking Club]**
- Participated with **[CHC]** in Google CTF, BlazeCTF and IceCTF, scoring top 5%.