

PHU SAKULWONGTANA

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STATEMENT

I am second-year computer science student at University College London looking for an internship in Deep Reinforcement Learning, and possibly Multi-agent Learning Research.

RESEARCH INTEREST

Machine Learning, Deep Reinforcement Learning, Multi-Agent Learning and Neuroscience-inspired Artificial Intelligence.

EDUCATION

University College London
Bsc. Computer Science

September 2017 - Present
Degree classification: First-Class Honours (82 out of 100)

COURSES

Courses

Principles of Programming
Theory I
Applied Software Development
Theory II

Robotics Programming
Engineering Challenges
Design and Professional Skills 1
Discrete Mathematics for Computer Scientists

SELECTED PROJECTS

`phutoast.github.io`

October 2017 - Present

- Personal Website that contains various course notes.
- Included, courses on Deep Reinforcement Learning, Game Theory, Differential Geometry, Machine Learning, Neuroeconomic, Computational Neuroscience and more. (work in progress)
- Also contains (20+) detailed notes on research papers, from various fields including Deep Reinforcement learning, and Neuroscience. (work in progress)
- Aimed to make the notes easy to read and understand, with codes accompanied, if available.

Deep Learning Implementations

June 2018 - Present

- Implementation of deep learning papers/algorithms in Python.
- Including, the implementation of deep reinforcement learning algorithms, Generative models such as VAEs and its variance, and more.

Teaching deep learning through Jupyter Notebook

January 2017 - February 2017

- Courses divided into 6 parts that start from simple mathematics of deep learning to fooling neural network using a genetic algorithm.
- Contains simple diagrams with little assumption about mathematical background to help the readers understand the concepts better.

WORK EXPERIENCE

Machine Learning Engineer Intern - MediaGamma Limited

December 2018 - Now

- Doing Research + Implantation of Deep Learning models including NLP and Vision, working on Transformer related Models

UCL Artificial Intelligence Journal Club

September 2017 - June 2018

- Regular member of the Journal Club
- Invites speakers from DeepMind, OpenAI, Toronto, MILA, Berkeley, Princeton, Oxford, and more, to talk about their current research and their publications.

The VC Group, Bangkok - Android App Developer

October 2014 - July 2015

- Create an online video streaming android application based on the companys API.

TECHNICAL SKILLS

Programming Languages

Python Few years experience
C, Java Intermediate, comfortable with it.

Software Packages

Tensorflow, PyTorch, Numpy, Matplotlib Few years experience
Ray Intermediate, comfortable with it.