

# PHU SAKULWONGTANA

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## STATEMENT

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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

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

## EDUCATION

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**University College London**  
Bsc. Computer Science

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

## COURSES

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### 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

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`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.
- Also contains (20+) detailed notes on research papers, from various fields including Deep Reinforcement learning, and Neuroscience.
- 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, Interaction Network, 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

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**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.

**Machine Learning Engineer Intern - MediaGamma Limited**

*December 2018 - Now*

- Doing Research + Implantation of Deep Learning models including NLP and Vision

## TECHNICAL SKILLS

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**Programming Languages**

**Python**      Few years experience

**C, Java**      Intermediate, comfortable with it.

**Software Packages**

**PyTorch, Numpy, Matplotlib**      Few years experience

**Tensorflow**      Intermediate, comfortable with it.