

Wah Loon Keng

github.com/kengz
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LINKS

Github: [kengz](#)
LinkedIn: [wlkeng](#)
Google Scholar: [Wah Loon Keng](#)

SKILLS

PROGRAMMING

Proficient:

Python • PyTorch • SQL

Kubernetes • Helm

Basic:

C++ • Java

LANGUAGE

Fluent:

English • Mandarin • Malay

Cantonese • Hokkien

EDUCATION

LAFAYETTE COLLEGE

BS IN MATHEMATICS

MINOR IN PHYSICS

Dec 2015 | Easton, PA

Cum. GPA: 3.83 / 4.0

WORK

MACHINE ZONE INC | SENIOR AI ENGINEER

9 April 2018 - Present | Palo Alto, CA

Deep learning, deep RL and Kubernetes for industrial AI infrastructure.

ELIGIBLE INC | SOFTWARE ENGINEER

15 March 2016 - 3 April 2018 | Brooklyn, NY

Machine learning algorithms for company search products and internal ML platform and Python libraries for the data science team.

RESEARCH

LAFAYETTE COLLEGE | EXCEL UNDERGRADUATE RESEARCHER

Summer 2015 | Easton, PA

Vertex Cover - studied its NP-hard complexity using Measure and Conquer. Under Prof Ge Xia.

Summer 2013 | Easton, PA

Yao Graphs shortest path and spanning ratios for $k = 5$. Under Prof Ge Xia.

SOCG'14 Publication: *New and Improved Spanning Ratios for Yao Graphs*.

PERIMETER INSTITUTE | STUDENT RESEARCHER

Summer 2014 | Waterloo, Canada

Quantum Foundations - quantum paradoxes in the C3 causal structure using quantum computation. Under Matthew Pusey and Tobias Fritz.

PROJECTS

SLM Lab	Modular deep reinforcement learning framework in PyTorch.
OpenAI Lab	An experimentation framework for deep reinforcement learning.
spacy-nlp	The official Node.js client for spaCy NLP.
AIVA	General-purpose virtual assistant for developers.

PUBLICATIONS & TALKS

- [1] Book: *Foundations of Deep Reinforcement Learning: Theory and Practice in Python*. Graesser & Keng, Pearson 2019, in print.
- [2] SLM Lab posters, PyTorch Developer Conference 2018, 2019.
- [3] Talks and tutorials on deep reinforcement learning and SLM Lab.
- [4] Barba et.al. *New and Improved Spanning Ratios for Yao Graphs*. SOCG'14, in press.

AWARDS

2017	AI Grant Spring 2017 finalist - OpenAI Lab
2014	Lafayette College Benjamin F. Barge Mathematical Prize
2014	Inducted into Pi Mu Epsilon honorary national mathematics society
2013-14	2 nd , 3 rd , Lafayette College Barge Math Competitions
2012	2 nd , LVAIC Regional College Math Competition