Wah Loon Keng

github.com/kengz

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EDUCATION

LAFAYETTE COLLEGE
BS in Mathematics
Minor in Physics
Dec 2015 | Easton, PA
Cum. GPA: 3.83 / 4.0

LINKS

Github: **kengz**
LinkedIn: **theoriesinpractice**
Google Scholar: **Wah Loon Keng**

SKILLS

PROGRAMMING
Proficient:
Python • PyTorch • Kubernetes
Basic:
SQL • C++ • Java • Ruby

LANGUAGE
Fluent:
English • Mandarin • Malay
Cantonese • Hokkien

EXPERIENCE

MACHINE ZONE INC | Senior AI Engineer
9 April 2018 - Present | Palo Alto, CA
- Deep Reinforcement Learning research and application.
- Create and provision cloud AI systems using Kubernetes.

ELIGIBLE INC | Software Engineer
15 March 2016 - 3 April 2018 | Brooklyn, NY
- Created the company's data science platform and automation pipeline.
- Created insurance payer search engine using deep learning.

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 - explored quantum paradoxes in the C3 causal structure using quantum computation. Under **Matthew Pusey** and **Tobias Fritz**. Manuscript: *Block Code & Bundled Form*.

PROJECTS

SLM Lab	Modular Deep Reinforcement Learning framework in PyTorch.
OpenAI Lab	An experimentation framework for Deep Reinforcement Learning.
AIVA	General-purpose virtual assistant for developers.
spacy-nlp	The official Node.js client for spaCy NLP.
dokkerJS	Dokker.js creates professional Javascript code documentations.

PUBLICATIONS & TALKS

[1] Barba et.al. *New and Improved Spanning Ratios for Yao Graphs*. **SOCG'14**, in press.
[2] Tutorials on deep RL and OpenAI Lab. latest link: Dec 2017.

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 2nd, 3
2012	2nd, LVAIC Regional College Math Competition