Khiem Pham

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EDUCATION

SAN JOSE STATE UNIVERSITY

Bachelor of Science in Computer Science
Expected Spring 2019 | San Jose, CA
College of Science
Dean's Scholar
Cum. GPA: 3.756 / 4.0
Major GPA: 3.911 / 4.0

LINKS

Github:// drproduck

COURSEWORK

GRADUATE LEVEL

Machine Learning
CAMCOS (Student Research in Math. and Stats.)

UNDERGRADUATE LEVEL

Data Structure and Algorithms
Design and Analysis of Algorithms
Programming Paradigm
Object-Oriented Design
Graph Theory
Computer Architecture
Operating Systems
Software Project
Information Security

SKILLS

PROGRAMMING

Over 10000 lines:
Python • Java • Matlab • LaTeX
Over 1000 lines:
JavaScript • C++ • Shell

RESEARCH EXPERIENCE

RESEARCH ON SCALABLE SPECTRAL CLUSTERING | Student Assistant/Researcher

August 2017 – Present | San Jose, CA

- Worked with Prof Guangliang Chen to create Landmark-based Bipartite Diffusion Maps, a Spectral Clustering approximation algorithm that can scale to large, high-dimensional dataset.
- Published in NAACL-HLT 2018 Workshop on Graph-based Natural Language Processing.
- Writing a general paper on Scalable Spectral Clustering.

ASSESSING NEURAL MACHINE TRANSLATION | Independent Researcher

June 2018 – August 2018 | Stanford, CA

- Worked with Johnny Wei, Prof Brendan O'Connor and Prof Brian Dillon on assessing the quality of Neural Machine Translation by using the HPSG grammar.
- Accepted to EMNLP 2018 Workshop on Analyzing and Interpreting Neural Networks for NLP.

EXPERIENCE

STANFORD INFO LAB | Research Intern

June 2018 - Aug 2018 | Stanford, CA

- 12 out of more than 500 applicants accepted to .CSLI Summer Internship Program
- Worked in the SNAP research group to develop link prediction probabilistic model for dynamic and temporal network.
- Created 2 scalable Bayesian learning algorithm.
- code was written in Python.

DEPARTMENT OF MATHEMATICS, SJSU | Student Assistant/Math Facilitator

August 2015 – May 2018 | San Jose, CA

- Tutor 3 to 4 groups (15 - 20 each) of students each semester on various subjects in Linear Algebra and Calculus

AWARDS

2017	Top 8	Student Research Competition. Awarded $500.
2017	Dean's Scholar	3.6/4.0.
2016	President's Scholar	4.0/4.0.
2016	552.5^{th}/3214	Putnam Mathematical Competition.
2015	Dean's Scholar	3.6/4.0.

GRANTS

2018	$1000	Undergraduate Research Grant.
2018	$2400	Central Research, Scholarship and Creative Activity Grant.