

ALEXANDER Y. KU

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EDUCATION

University of California, Berkeley

Master of Science (MS), Electrical Eng & Comp Sci

December 2018

Advisor: Prof. Joseph Gonzalez

Affiliation: RISELab

University of California, Berkeley

Bachelor of Arts (BA), Computer Science

December 2017

Relevant Coursework	Machine Learning, Artificial Intelligence, Time Series Analysis, Algorithms, Probability Human Computer Interaction, Econometrics, Microeconomic & Macroeconomic Theory
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TECHNICAL SKILLS

Programming Languages	Experienced with: Python, Java, R, Ruby, SQL, L ^A T _E X Familiar with: C, Javascript, HTML, CSS
Development Tools	TensorFlow, Keras, Caffe, SciPy, NumPy, Pandas Git, Bash, Spark, Hadoop, Hive

TEACHING EXPERIENCE

Introduction to Artificial Intelligence (CS 188), UC Berkeley

Jan 2017 - June 2017

Graduate Student Instructor, Prof. Anca Dragan

Berkeley, CA

- Introducing students to topics in AI, such as reinforcement learning, graphical models, and neural networks

Foundations of Data Science (Data 8), UC Berkeley

Aug 2016 - Dec 2016

Graduate Student Instructor, Prof. Ani Adhikari

Berkeley, CA

- Introducing students to the basics of analyzing data, such as sampling and hypothesis testing

RESEARCH/WORK EXPERIENCE

Google Research Machine Intelligence

May 2017 - Present

Software Engineering Intern, Google Brain

Mountain View, CA

- Software engineering intern on the Google Brain genomics team working on DeepVariant, a deep-learning based variant caller for high-throughput sequencing.

University of California, Berkeley

Jan 2017 - June 2017

Undergraduate Researcher, RISELab

Berkeley, CA

- Developing scalable machine learning models for time series analysis in the frequency domain. Under the supervision of Francois Belletti and Prof. Joseph Gonzalez.

University of California, Berkeley

Sep 2016 - June 2017

Undergraduate Researcher, Computational Cognitive Science Lab

Berkeley, CA

- Estimating human category distributions in complex feature spaces. Under the supervision of Joshua Peterson and Prof. Tom Griffiths.

Altiscale Inc.

June 2015 - January 2016

Software Engineering Intern, Data Pipeline

Palo Alto, CA

- Software engineering intern on the data pipeline team working to build scalable alert management systems to monitor data-integrity over HDFS/Hive.

AWARDS AND RECOGNITION

Cal Hacks 2.0 Top-Five

October 2015

- Used unsupervised clustering algorithms to optimize ambulance placement in cities. Team delivered an on stage demo at the closing ceremony

PUBLICATIONS

I recently submitted my first two papers to NIPS 2017, they are currently being reviewed - stay tuned!