Johnson Lam

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EDUCATION

Bachelor of Arts and **Master of Science**, Computer Science | GPA: 3.55/4.00   Sept.2013 - Jan. 2018

Boston University | Boston, MA

Related Coursework: Distributed Systems, Concurrency and Queuing Theory, Networks, Network Security, Data Analytics, Intro to Data Science, Data Mining, Algorithms, Machine Learning, Statistics

EXPERIENCE

Soroco | *Software Engineer*   Jan. 2018 – Present

- Developing automation software for computer vision tasks using deep learning techniques

Combinatorics Course | *Teaching Assistant*   Jul. 2017 - Aug. 2017

- Co-led discussion sections in reviewing lecture material and assisting students with problem sets
- Responsibilities included holding weekly office hours and grading nearly 200 submissions per assignment

ChatrHealth | *Project Manager*   Jul. 2017 - Aug. 2017

- Worked in India to launch a mobile surgical checklists app at Narayana Health Hospital to improve patient safety
- Integrated app into the surgical team's work flow and addressed operational and technical issues that came up

GE Digital | *Software Engineering Intern*   May 2016 - Aug. 2016

- Utilized the Elasticsearch stack to demonstrate its viability as a real-time search engine on large amounts of data
- Demoed Elasticsearch work at the 2016 GE Predix Conference in Las Vegas, Nevada

PROJECTS

Master of the Conversation | *Directed Study Sponsored by Microsoft*   July 2017 - Aug. 2017

- Researched different approaches for bots to engage in end-to-end goal-oriented conversations
- Developed prototypes using Microsoft's LUIS and Bot Framework, and Facebook's bAbI Project

Raft Consensus Algorithm | *Graduate Distributed Systems*   Jan. 2017 - Apr. 2017

- Implemented Raft, a replicated state machine protocol that maintains consistent logs across a collection of machines
- Built a fault-tolerant key-value storage system that handled concurrency and maintained consistency using Raft logs

Predicting Amazon Ratings | *Data Mining*   Sept. 2016 - Dec. 2016

- Leveraged a recommender system to predict an item's rating given a user's purchase history
- Used k-means clustering based on sentiment analysis scores of user comments to predict a user's rating of an item

TEDxBU | *Sponsorship Chair*   Nov. 2014 - May 2015

- Led the marketing campaign of TEDxBU in raising over $2,300 of donations from 10 different sponsors

PUBLICATIONS

ECML-PKDD 2018   *Risk Averse Team Formation from Uncertain Hypergraphs*. Charalampos E. Tsourakakis, Shreyas Sekar, **Johnson Lam** and Liu Yang.

SKILLS

Coding: Python, Golang, Java

Technology: Pytorch, OpenCV, Linux, Git, LaTeX

Languages: English (native), Mandarin (conversational), Hakka (conversational), Cantonese (basic)