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EDUCATION

THE UNIVERSITY OF CHICAGO

Bachelor of Science in Mathematics
Bachelor of Arts in Computer Science

- GPA 3.8/4.0
- Member of Dean's List

Chicago, IL

Expected June 2021

THE UNIVERSITY OF CHICAGO LABORATORY HIGH SCHOOL (U-HIGH)

Diploma

Chicago, IL

Received June 2017

Honors:

Coach's Award in recognition of "outstanding contribution to the U-High athletic program" (2017)

WORK EXPERIENCE

CAPITAL ONE FINANCIAL, INC.

Software Engineering Intern

McLean, VA

June 2020 – Present

- Developed and deployed the OneAlert monitoring system, responsible for adjusting alert thresholds on C1 servers
- Dramatically improved efficiency by reducing average time to adjust thresholds from three days to thirty minutes
- Engaged in full stack web development using frameworks such as React, Node.js/Express.js, AWS S3/SNS and Jenkins

VIA TECHNOLOGIES, INC.

AI Development Intern

New Taipei City, Taiwan

June 2019 – September 2019

- Developed and implemented cutting-edge, NLP, text-modelling and AI applications to generate new market intelligence
- Responsibilities included network architecture design, implementation, training and hyperparameter optimization
- Networks implemented in Python with heavy use of TensorFlow and utilization of GPUs

BECKER FRIEDMAN INSTITUTE FOR RESEARCH IN ECONOMICS

Data Analytics Research Intern

Chicago, IL

June 2018 – September 2018

- Conducted data analysis on Professor John List's research team studying the effects of scaling and loss aversion
- Extensively utilized R and Stata in performing web scraping and data analysis tasks, including utilization of machine learning algorithms

EXTRACURRICULAR ACTIVITIES

Course Assistant, Department of Mathematics, University of Chicago

January 2019 – Present

- Responsible for leading tutorial/review sessions, holding office hours and grading/correcting homework assignments
- Encouraged student collaboration and problem solving, receiving consistently positive reviews every quarter

Performer, Percussion Ensemble, University of Chicago

January 2018—Present

- Perform in monthly concerts on wide variety of percussive instruments in addition to five hours per week of rehearsal
- Often responsible for conducting rehearsal of 7-8 person drum line in preparation for performances

PROGRAMMING PORTFOLIO

Projects Posted on [GitHub](#)

Last Commit: July 2019

- Analyzing transfer market inefficiencies in the English Premier League
- Live face swapping app using OpenCV

SKILLS AND INTERESTS

Programming Languages: C/C++, Python, JavaScript

Frameworks: TensorFlow, Keras, React, Express.js

Other Relevant Skills: AWS, REST APIs, Git, LaTeX

Language Skills: Basic fluency in Mandarin Chinese

Hobbies/Interests: Drums/Percussion, Cooking, Muay Thai