

Yuhao (Alex) Chen

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EDUCATION

University of California, Berkeley

Master of Engineering '20 (IEOR - FinTech)

Berkeley, CA, USA

Aug 2019 - Dec 2020

- Courses: Optimization Analytics, Stochastic Process, Financial Engineering, Global Leadership

Xi'an Jiaotong University

Bachelor of Engineering in Automation | GPA: 3.72

Xi'an, China

Sep 2015 - Jun 2019

- Courses: Calculus, Linear Algebra, Probability Theory and Stochastic Process, Data Structure and Algorithm, Pattern Recognition, Computational Intelligence

Massachusetts Institute of Technology

Exchange Student, Department of EECS | GPA: 5.0 / 5.0

Cambridge, MA, USA

Sep 2018 - Dec 2018

- Courses: Artificial Intelligence, Statistics & Machine Learning, EECS Independent Research, Organizational Process for Business Analytics

SKILLS

- Computer Skills Python, R, SQL, Machine Learning, Data Analytics, MATLAB, C, Microsoft Office
- Language Skills Mandarin (Native), English (Fluent)

PROFESSIONAL EXPERIENCE

Ping An Technology

Data Mining Engineer | Intern

Shanghai, China

Jun 2018 - Aug 2018

- Extracted more than 100,000 data samples from the company's database using *SQL* and classified customer data using decision tree machine learning method with *Python* in order to categorize bank customers and optimize ad delivery
- Established a data preprocessing workflow with *Spark* to save 4 hours per week for each team member by learning *Scala* language quickly

SanPower Group, IT New Technology Support Management Center

Business Intelligence Analyst | Intern

Nanjing, China

Jan 2018 - Feb 2018

- Supported CTO to integrate machine learning and artificial intelligence into the company's infrastructure
- Built an ARIMA time series model to predict cellphone sales of SanPower Group, reduced prediction errors from 13% to 5%

PROJECT EXPERIENCE

Massachusetts Institute of Technology

Team Project: Cryptocurrency Market Analysis

Cambridge, MA, USA

Sep 2018 - Dec 2018

- Collaborated with team members to determine data source, quantitative analysis approach, and data processing pipeline
- Used network API to get over 10,000 real-time data points, and conducted various analysis including machine learning method and network analysis
- Reported and presented data analysis results in a concise way to let people know the cryptocurrency market within 5 minutes

Massachusetts Institute of Technology

Independent Research | Supervisor: Professor Ray Reagans, MIT Sloan School of management

Cambridge, MA, USA

Sep 2018 - Dec 2018

- Communicated with the Sloan professor and researchers to get demands from a business perspective and provided data analysis from a technical perspective
- Used data visualization tools like *Seaborn* and *Bokeh* to visualize words hierarchic representation, network graphs and team communication structure in an interactive way

LEADERSHIP & ACTIVITIES

Global Education Connections Academy, Digital Enterprise Online Program

Teaching Assistant | Instructor: Dr. Zoya Kinstler, Harvard University

Xi'an, China (Remote)

Jan 2018 - Mar 2018

- Studied over 200 pages research and real cases related to digital enterprise including their transformation and new digital technology to assist the professor preparing teaching classes, answering students' question, and advising their projects
- Took charge in program coordination and bridged the communication gap between American professor and Chinese students