

# JINGLU CAO (COCO)

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## EDUCATION

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### UC BERKELEY SCHOOL OF INFORMATION

2020 - 2022 (expected)

**Master of Information and Data Science.** Courses taken online part-time while working full-time. Classes are in the afternoon US time so early morning (6am) SG time and do not affect working.

### YALE-NUS COLLEGE

2015 - 2019

**Bachelor of Science (honours).** Major in Mathematical, Computational and Statistical Sciences. Minor in Global Antiquity. Final thesis on computer vision with neural network.

## PROFESSIONAL EXPERIENCE

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### DOCTOR ANYWHERE

Singapore

### BUSINESS INTELLIGENCE ANALYST

2021 Mar - present

- Initiated and executed systematic automation of data presentation using Tableau dashboards, Google Bigquery views and visualised stories, delivering a structured view of relevant metrics to respective stakeholders via access control as compared to the mess of ad hoc requests when I joined
- Designed and conducted various research projects to model customer journey against various variables to advise on further business and data actions including A/B testing

### ENDOWUS

Singapore

### DATA SCIENTIST

2019 Jul - 2021 Feb

- Applied reinforcement learning and multistage-stochastic-process techniques to improve on the personalised dynamic retirement investment solution I built as an intern at Endowus in order that the model better solves for client risks in volatile market conditions
- Improved an existing core algorithm in system backend which increased its time efficiency by 10%-20% and its space efficiency by 25%
- Created and maintained business and marketing analysis reports using Google BigQuery, R and Python and visualised the results (R ggplot2, python plotly, Google Data Studio) to satisfy data needs arising from communications with respective teams, querying from system backend, search engine and social network data.
- Built data pipelines using Airflow to dump data from PostreSql and Cassandra databases to Google Bigquery

### ENDOWUS

Singapore

### DATA AND INVESTMENT ANALYST

2018 May - 2019 Mar

- Architected a financial-advising model machine-learned to stay responsive to market performances and curated to clients' personal particulars to derive optimal retirement portfolios, under close supervision of Chief Investment Officer
- Designed a portfolio analytical tool as a discrete backend service to export performance data using different rebalancing strategies, allocations etc and make recommendation

## ADDITIONAL INFORMATION

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**LANGUAGES:** Mandarin Chinese (native), English (bilingual)

**SKILLS:** Python, R, SQL, Java, C, OCaml, Coq; Tableau, Google Cloud, Google Bigquery

**INTERESTS:** digital drawing, podcasting, fashion design