GERALD LEE JIAN KAI

+65 9338 3744 • gerald.lee@columbia.edu

EDUCATION

2019 – 2020	**Columbia University** – *MA Quantitative Methods (Data Science)*	**New York, USA**

- Grade: 3.99 GPA
- Relevant Coursework: Data Analysis; Data Mining; Natural Language Processing; Quantitative Methods; Real Estate Financial Modelling; and Real Estate Analytics
- Extra-Curricular: Data Science Institute; Ski Team; Research Assistant for HNYC

2016 – 2019	**University College London** – *BSc Urban Planning, Design and Management*	**London, UK**

- Grade: First Class Honors (4.0 GPA)
- Relevant Coursework: Urban Planning and Design; Geospatial Analytics; Property Law; and Real Estate Finance and Valuation
- Extra-Curricular: Head of Communications for BSP HelpHub; UCL Floorball; Saturday Volunteer at Webber St Homeless Shelter; and REITs contributor on Seeking Alpha
- Achievements:
  - o Global Academic Bursar to study Urban Policies at University of Chicago (2017)
  - o Turner and Townsend Disrupting Real Estate Competition Winner (2019)
  - o LSE Cross-University Real Estate Case Competition Winner (2019)
  - o UN-Habitat Assembly Innovative Ideas for Change Campaign (2019)

Jan – May 18	**University of Pennsylvania** – *Study Abroad, Major in Urban Studies*	**Philadelphia, USA**

- Relevant Coursework: Urban Housing Policies; Data Science; and Psychology
- Extra-Curricular: Wharton Asia Exchange (Real Estate Investments)

EXPERIENCE

Sep – May 20	**Columbia University –** *HNYC Research Assistant*	**New York, USA**

- Data Wrangling: Wrote R scripts to scrape and prepare historical Census archives
- Geospatial Analysis: Wrote R scripts to visualize and analyze geospatial Census data
- Data Mining: Built a conditional random fields model with Python to process and classify tesseract optical character recognition outputs from historical city directories

Jun – Dec 19	**Future Bricks** – *Assistant Investment Manager*	**London, UK**

- Start-Up Experience: Built pitch decks; Undertook market competition analysis, Strategized product roadmap; Forecasted costs and revenue; Pitched to raise equity from investment representatives at Oaktree Capital, Venture Catalysts and Devere Group

May – Jun 19	**CBRE Capital Markets –** *Investment Advisory Intern*	**London, UK**

- Investment Analysis and Financial Modelling: Conducted acquisition analysis for retail and industrial properties; Prepared 6 investment memorandums for external pitching; Built financial models and underwrote cashflow statements for 2 investment properties
- Asset Management: Built Excel and Tableau dashboards to analyze and oversee a c. £2b property portfolio; Evaluated lease-covenants of 4000 properties and built a portfolio strategy for 2 public sector clients

Jul – Aug 18	**Deloitte Real Estate Consulting –** *Summer Intern*	**London, UK**

- Development Valuation: Supported the development team in valuations and appraisals
- Natural Language Processing: Built sentiment analysis models with R to analyze public consultation data for 2 clients; Automated pre-existing methods of analysis and improved the speed and precision of interpreting data; Reduced manpower needs by 70%

Jul – Sep 17	**Urban Redevelopment Authority –** *Intern*	**Singapore**

- Research and Analysis: Investigated international planning strategies and benchmarks for maritime ports and industrial land; Utilized research to make recommendations for Tuas Mega Port; Used GIS to analyze spatial distribution of places of worship

ADDITIONAL INFORMATION

Languages: English (native), Mandarin (fluent) and Malay (conversational)
IT Skills: Microsoft Office; R, Python, SQL and Tableau; Adobe Design Suite; QGIS; and ArcGIS