


LAI CHUNGZEN

Singapore Permanent Resident

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PROFILE

An engineering graduate who has a 1-year 9-months full-time experience in engineering consulting leading building projects valued up to \$250 million. Innovative critical thinker who is excited about understanding client's needs and solving complex challenges to achieve business goals. Possesses high analytical skills, client-facing communication skills, project management and organisation background. Seeking to leverage my experience in engineering consulting and transferred passion in consulting, client-centric excellence, and problem-solving skills to enter the consulting industry.

WORK EXPERIENCE

Beca Carter Hollings & Ferner (S.E.Asia)

May 2021 – Feb 2023

Engineer (May 2021 – April 2022) / Executive Engineer (May 2022 – Feb 2023) - Civil & Structural Consultant

- Performed as consultant for developers to provide structural consulting services involving analysis and design of complex structural systems for building projects
- Provided consulting strategies for clients to optimise construction timelines and increase cost-efficiencies of projects which translated into increased building net worth
- Performed as project lead to manage multiple stakeholders and front client's senior management for project milestones reviews
- Collaborated with external teams of multi-disciplinary consultants and relevant authorities to manage projects and ensure timely execution of project deliverables
- Managed a team of 5 to plan, budget and execute multiple projects valued between \$50 million to \$250 million
- Conducted studies with analysis software to formulate strategic and optimised cost-effective solution frameworks for multiple technical issues to scale for similar projects
- Value-added by initiating internal strategies to streamline work processes to improve resource efficiencies
- Involved in the hiring and training process for new graduates and interns in the team
- Credited for high-quality work and accelerated to Executive Engineer within first year of working
- Projects: HDB Jurong West C19, HDB Bukit Merah C51, HDB Ghim Moh C9

Jurong Town Corporation (JTC)

Jun 2020 – Aug 2020

Intern - Civil & Structural 1, Technical Services

- Involved in the strategic planning for the Data Transformation project in JTC to automate work processes
- Planned and streamlined the structure to collect useful data from historical drawings for machine learning
- Created frameworks to unify authorities' regulations & compliances across stakeholders such as LTA, HDB, BCA

Surbana Jurong Consultants Pte Ltd

Jan 2020 – May 2020

Intern - Civil & Infrastructure Consultant

- Assisted in providing consulting solutions by improving existing execution methodologies for ground improvement works in terms of technical efficiency and cost-effectiveness
- Analysed 4000 soil data points for the design and verification of works for over 200 hectares of reclaimed land

National University of Singapore (NUS)

May 2019 – July 2019

Research Assistant

- Social Media (Twitter) research for Social Media Marketing under NUS Business Assistant Professor Daniel He
- Conducted research and analysed on the level of impersonation in tweets from 5000 tweets from 30 NBA teams

EDUCATION

National University of Singapore (NUS)

July 2017 – June 2021

Bachelor of Engineering (Civil Engineering), Honours (Highest Distinction)

- NUS ASEAN Undergraduate Scholarship holder
- CAP: 4.95/5.00 (Highest Distinction)
- Awards:
 - Lee Kuan Yew Gold Medallist (Top Graduating Student) & multiple other academic awards for top achievers
 - Dean's List Awardee for 5 academic semesters

Dissertations: An experimental and numerical study of deep cement-treated clay from an excavation site in Singapore

- Ran up to 20,000 Monte Carlo simulations to model the random behaviour of cement-treated clay in excavations
- Built a python script to automate the random analysis and extract results data from a numerical software

CO-CURRICULAR ACTIVITIES

Planetshakers Church

August 2020 – Present

Coach | Worship Team Member

- Lead a group of university students for weekly church services and cell group meetings
- Play electric guitar weekly for Planetshakers Singapore church band

Volunteer Experience

January 2021 – Present

- Saturday Movement for weekly food distribution for underprivileged families at Lengkok Bahru

ADDITIONAL INFORMATION

Language : English, Mandarin, and Malay (all spoken and written)

Softwares/Languages : MS Office, Excel VBA, Python, SQL