KWAN PEI NI

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Skills

• Python, Pandas, Numpy, Matplotlib, Seaborn, Natural Language Processing (NLP), Exploratory Data Analysis (EDA), MySQL, Tableau, Streamlit, Selenium, Beautifulsoup, AutoCad, Adobe Photoshop, SketchUp, Enscape, Revit, Adobe InDesign, Adobe Illustrator, Rhino, Lumion, Vray

• English, Chinese, Malay, Cantonese – *All professional proficiency or above*

NLP Capstone Project

• Sentiment Analysis and Topic Modelling of "The North Face" store on Amazon US, E-commerce platform, to gain valuable insights into the opinions and preferences of customers regarding the existing products to foster customer satisfaction, acquisition and retention for better business growth and development

• Interestingly, it was observed that for some products received high ratings despite accompanied by negative comments. This contradiction defined conventional expectations and it proves that customer reviews were not always the best indicator of a product's performance. This might be due to the reason that some reviewers want their comments to be ranked top so that the potential buyers are aware of this, as normally higher ratings comments will be ranked top

• Method used: Webscraping – Selenium, Sentiment Analysis – Vader and RoBERTa, Topic Modelling – Latent Semantic Analysis (LSA), Latent Dirichlet Allocation (LDA) and BERTopic, Deployment - Streamlit

Education

Mages Institute
Singapore
Professional Certificate in Data Science
28 Nov 2022 – 07 July 2023

• Data Science Fundamentals   (Distinction)
• Data Analysis   (Credit)
• Data Engineering   (Distinction)
• Data Visualization   (Credit)
• Machine Learning for Data Science (Distinction)
• Capstone Project   (Distinction)

UCSI University
Kuala Lumpur, Malaysia
Bachelor of Science (Hons.) in Architecture
Jan 2015 – July 2018

• **CGPA:** 3.14 Second Class Honours (Upper Division)

Kluang High School
Kluang, Johor, Malaysia
STPM (Malaysian Higher School Certificate)
2012 - 2014

Equivalent to GCE A-Level (High School Examination)

• **CGPA:** 2.92 (Science stream with Physics & Chemistry) (4.0 point scale GPA)

Highest Score - 4.0

General Studies (Pengajian AM) – A(4.00)

Mathemaatics – B-(2.67)

Physics – C+(2.33)

Chemistry – B-(2.67)

SMK Canossian Convent   *Kluang, Johor, Malaysia*
SPM (Malaysian Certificate of Education)   *2010 - 2011*

Equivalent to GCE O-Level (Secondary School Examination)
• 2A+, 4A, 3A-, 1B+ (Science stream with Advanced Mathematics, Physics, Chemistry & Biology)
Highest Score - A+
Malay Language (Bahasa Melayu) – B+
English Language (Bahasa Inggerris) – A
Moral Education (Pendidikan Moral) – A-
History (Sejarah) – A-
Mathematics – A+
Additional Mathematics – A+
Physics – A
Chemistry – A
Biology – A
Chinese Language (Bahasa Cina) – A-

SMK Canossian Convent   *Kluang, Johor, Malaysia*
PMR (Lower Secondary Assessment)   *2007 - 2009*
• 7A, 1B (Total of 8 subjects)
Highest Score - A
Malay Language (Bahasa Melayu) – B
English Language (Bahasa Inggerris) – A
Mathematics – A
Science – A
Geography (Geografi) – A
KHB Ekonomi Rumah Tangga (Life Skills, Home & Economy) – A
Chinese Language (Bahasa Cina) – A

SJK(C) Sri Lalang   *Kluang, Johor, Malaysia*
UPSR (Primary School Achievement Test)   *2001 - 2006*
• 7A (Total of 7 subjects)
Highest Score - A
Malay Language_Understanding (Bahasa Melayu_Penulisan) – A
Malay Language_Writing (Bahasa Melayu_Penulisan) – A
English Language (Bahasa Inggerris) – A
Mathematics (Mathematik) – A
Chinese Language_Understanding (Bahasa_Penulisan) – A
Chinese Language_Writing (Bahasa_Penulisan) – A
Science (Sains) – A

Professional Experience

Pinnacle Infotech Pte Ltd   *Singapore*
BIM Architect   *Oct 2024 – Present*
• Coordinate design drawings with consultants to comply with requirements of the authorities
• Review project specifications, technical clarifications and construction drawings
• Responsible for coordination and assistance in BIM implementation on projects
• Collaborate with architects, engineers and construction teams to integrate different disciplines, and to resolve conflicts in the design using clash detection tools
• To extract information from 3D Revit, develop shop drawings and resolve discrepancies in drawings with engineering teams during

technical meeting

• Check model quality and integrity prior to generation of deliverable and to ensure space proofing for accessibility and maintainability

• Project involved: Elective Care Centre & National Dental Centre of Singapore by Singapore General Hospital at Outram Park

Tiong Seng Contactors Pte Ltd
<div align="right">Singapore</div>

Architectural Coordinator
<div align="right">Jan 2024 – Sep 2024</div>

• Liaise with design consultant, engineers, sub-contractors, suppliers and vendors during client-consultant meetings regarding technical issues to ensure alignment of project deliverable with client expectations

• Manage and organize architectural drawings and specifications by checking on shop drawing submissions to ensure accuracy, resolve drawing discrepancy and produce architectural drawings if necessary

• Manage architectural work scheduling, material procurement, cost control, project oversight, documentation and resolve site architectural work coordination issues while ensuring design deliverable

• Assits project manager in the preparation of reports and presentation to management, clients and stakeholders

• Conduct site visits to monitor construction progress, address design-related issues, and ensure that projects is on schedule

• Prepare daily and monthly progress report and maintain inspection records

• Controls the registration and distribution of architectural construction drawings and revision

• Ensure compliance with all applicable building codes and regulations

• Project involved: Central Manpower Base (CMPB)/NS Hub Project, located at Bukit Gombak

MKPL Architects Pte Ltd
<div align="right">Singapore</div>

Architectural Assistant
<div align="right">Apr 2022 – Dec 2023</div>

• Leverage digital tools and platforms as well as data from computational models to assist with pre-design phase

• Responsible in feasibility studies, design development, documentation and contract administration

• Prepare and develop conceptual design, schematic design and detailed designs

• Conversant with latest building regulations and codes governing construction and architectural practice

• Collaborate with external consultants such as structural and electrical engineers, together with client's team on matter of designs during site meeting to ensure project success

• Manage architectural projects from inception to completion, ensuring design intent is met while complying with codes and technical requirements

• Attend site and consultant meetings on matter of design, technical coordination issues and building regulations

• Project involved: SMU, School of Social Sciences & College of Integrated Studies, Eden School at Bukit Batok, HDB at Choa Chu Kang (Heart of Yew Tee)

Metaphor Design + Architecture Pte Ltd
<div align="right">Singapore</div>

Architectural Assistant
<div align="right">Dec 2018 – Mar 2022</div>

• Participated in preliminary design of space planning and design, 3D form development and drawing submissions for landed houses

• Prepare architectural drawings, design presentations, renderings, tender documentations, and design reports

• Project involved: Private houses at 68 Berwick Drive, 77 Medway Drive, 19E Charlton Lane, NTS Components Factory at Kranji Way, 4 Swiss Club Road, 46 Greenwood Avenue, and New Expansion of Angiography Centre & New Angiography Suites for National University Hospital (NUH)

DP Architects Sdn Bhd
<div align="right">Kuala Lumpur, Malaysia</div>

Architectural Intern
<div align="right">Feb 2018 – May 2018</div>

• Involved in both design and technical team, assisted in tender drawing submissions for condominium and services apartment, chalet for Sultan Johor, shopping mall façade design, Bukit Chagar CBD tower planning and development in Johor Bahru