

# Anthea Chua

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## EDUCATION

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**Singapore Management University** Aug 2022 – present  
Bachelor of Science (Information System), Major in Smart-City Management and Technology

**Catholic Junior College** 2020-2021  
General Certificate of Education Advanced Level

## AWARD

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**Peter Lim Scholarship 2021: Encouragement Awards** 2021  
Singapore Olympic Foundation

## EXPERIENCE

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### Willowmore Pte Ltd

#### **Data Analytics Engineer**

Aug 2023 - Present

- In-charged of performing SQL to extract and transform data
- Used Python (Pandas) to conduct transformation, data cleaning and exploratory data analysis to enhance data quality and analysis
- Improved data insights which led to the discovery of underlying issues in products
- Utilized Python and Elasticsearch to create interactive data visualisation that provided insights to facilitate better decision-making
- Document all the process involved in data inputs, cleaned data, output data and ML algorithms used in the assigned projects.

#### **Data Analytics Intern**

May 2023 – July 2023

- Accepted conversion to full time role for outstanding performance

## SCHOOL PROJECT

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### **GeoMusketeer**

Aug 2023 – Nov 2023

#### *Geographic Information System in Urban Planning*

- Worked in a pair to create a GIS-based Accessibility Analysis and Mapping of Emergency Evacuation Centres and Medical Services in Derna City, Libya, using QGIS platform
- In charge of designing and maintaining our website, developed using Quarto in R Studio. Implemented updates and ensured seamless dissemination through the Netlify web server.
- Partnered up to create accessibility maps to analyse residential areas that are out of reach from evacuation centres
- Identified potential sites that can be used as an evacuation centre to increase the residential outreach

### **Chatbot Development**

Aug 2022 – Nov 2022

#### *AI and Humanity Course*

- A Telegram chatbot that provides basic support relating to mental health for migrant workers
- Worked in a team of 5 to plan the flow of chatbot
- Worked in a team of 3 to design conversational interface that were interactive using Dialogflow

## CO-CURRICULAR ACTIVITIES AND VOLUNTEER WORK

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### SMU Ellipsis

#### **Public Relations Director**

Dec 2023 - Present

- Ellipsis is the students' representative body of the School of Computing and Information Systems (SCIS) at SMU
- Maintain relations with long term sponsors
- Maintain the reputation and brand image of Ellipsis

#### **Welfare Executive**

Dec 2022 – Nov 2023

- Worked in a team of 5 to manage 43 Exco and organise 4 welfare drives for 500 students
- Successfully sourced and secured 4 sponsorships in 2023

### Coders Assembly (Ellipsis)

#### **Programme Director**

May 2023 – Present

- Spearheaded Coders Assembly, a student-initiated programme that aims to improve students' coding proficiency as well as forge a tight-knit community within SCIS.
- With a pay-it-forward mentality in mind, we have recruited 33 Mentors to help 96 Mentees

### SSU Project Naksu 2.0

#### **Training Schedule Coordinator**

Jan 2023 – Oct 2023

- SSU Project Naksu 2.0 won an award under the Top Performing Group Volunteers category
- Leading a team of 4 to plan the outline of weekly training schedule and lesson by incorporating life values for a class of 15 beneficiaries
- Coaching delinquent youths the art of Muay Thai

## SKILLS AND COMPETENCIES

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- Fluent in both English and Mandarin Chinese
- **Soft Skills:** Strong communication skills, Teamwork, Adaptability, Detail Oriented, Responsible
- **Programming:** Python, Quarto R Studio
- **Data Analytics and Data Science:** SQL, Pandas, Matplotlib, Scikit-learn, Elasticsearch, Tableau
- **Certification:** Google Data Analytics Professional Certificate, Python Programming and Data Visualisation Certificate
- **Developer Tools:** Git, VS Code, QGIS
- Proficient in Microsoft Word, Microsoft PowerPoint, Microsoft Excel