

## Cheryl Lim

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| <https://github.com/dracolim>

### WORK EXPERIENCE

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#### Smart Nation (Government Data Office (GDO)) – Data Analyst Intern

May 2022 – August 2022

- Analysis of GovTech IT service management data queries and consultations
  - Analyse and Visualise queries to identify resourcing efforts put in by GDO and resource savings from agencies using python seaborn, wordcloud and pandas
  - Analyse and identify potential trends and problematics policy areas, for future review
- Singapore Government Data Reference Model (SG-DRM)
  - SG-DRM is a data model in which government agencies refer to when it comes to following and abiding data standards
  - Review SG-DRM v4.1 and update the current version to include the data standards of core data
  - Work with SSOTs and relevant agencies to ensure that standards of core data fields and code tables are incorporated into SG-DRM and are up to date

### PROJECTS

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#### Crypto Telegram Bot – Developer

- Crypto Telegram Bot allows users to get crypto updates such as news, price, supply, volume, and percentage change
- Developed the bot using python
- Integrated with REST APIs to get news, trends, and information about the crypto market
- Deployed on Heroku

#### Personal Website ([www.cherylimalfoy.com](http://www.cherylimalfoy.com)) – Front-End Developer

- Developed responsive personal portfolio with JavaScript frameworks including Node.js, also with HTML, CSS. Deployed on AWS Amplify
- Designed with google fonts, unicons, mixitup, swiper, smtp packages
- Developed first with the Mobile First methodology, then for desktop. Compatible for all devices
- Includes a light and dark mode
- Tech Stack: CSS, HTML, Node.js, AWS Amplify

#### Microsoft Excel Project in collaboration with company Gin Thye – Excel Expert

- Created visually appealing dashboards for demand forecast, scheduling and price adjustment in Excel using pivot tables and VLOOKUP, aimed to reduce the new cost margin by at least 10%
- Created pivot tables and charts using worksheet data and external resources, modified pivot tables, sorted items and group data for analytics purposes
- Utilized Microsoft Excel functions including SUMIF, COUNTIF, LOOKUP, Solver
- Task automation using Macros and VBA
- Tech Stack: Microsoft Excel, VBA

#### EXPATacular – Front-End Developer

- Developed user interfaces with modern JavaScript frameworks including Vue.js and Node.js, also with HTML, CSS to come out with a website for Expats to get to know more about Singapore before travelling to Singapore
- Integrated with RESTful APIs to search for locations, currencies, and covid-19 statuses
- Modified existing NodeJS code and MongoDB cluster to move data from one system to another
- Tech Stack: MongoDB, CSS, HTML, Vue.js, Node.js, Restful APIs, Bootstrap

## EDUCATION

### Singapore Management University

2020 – 2024

*Bachelor of Science (Information Systems)*

- Majors: Digital Cloud Solutioning, Data Science and Analytics
- Activities and societies: SMU Women In Tech, SMU Climb Team, SMU Business Intelligence and Analytics, SMUX Trekking, SMU Operations Management Society
- Teaching Assistant for Web Development 2 (IS216)
- Wildcard winner for google ignite!
- Ellipsis Code # '22 (Position 12/283)

### St Andrew's Junior College

2018 - 2020

*A Level, Science (H2 Physics, H2 Chemistry, H2 Math, H1 Economics)*

- Activities and Society: Symphonic Band
- Part of the Science Scholar Programme (SSP) under the Talent Development Program (TDP) which is only offered to students who are academically talented
- Honour roll for Promos, Mid-Year Exams

### Pei Hwa Secondary School

2014 - 2017

*O-Level, Double pure science*

- Activities and Society: Symphonic Band
- Received CCA achiever award
- Received Value Added award for O levels

## LEADERSHIP EXPERIENCE

### SMU Operation Management Society - Finance Director

April 2022 – Sept 2022

- Oversees all financial activities, reporting on budget and spending
- Engage with sponsors and monitor expenditure
- Worked on the OMS website

### Pei Hwa Symphonic Band – Student Conductor and Vice President

Jan 2017 – Dec 2017

- Conducts, directs, and leads the band for instrumental performances and warmups
- Prepare the band for the Singapore Youth Festival (SYF) performances
- Make sure the band performs harmoniously
- Responsible for the administrative details of leading the band

### Pei Hwa Symphonic Band – CCA Chairperson

Jan 2015 – Dec 2016

- Coordinated and carried out CCA activities
- Responsible for taking attendance and involved in secretary duties

## SKILLS AND CERTIFICATIONS

**Technical Skills:** Python | JavaScript | Vue.js | CSS | HTML | PHP | Microsoft Word | Microsoft Excel | Microsoft PowerPoint | Machine Learning

**Software Tools:** MySQL | Microsoft Office | Visual Studio Code | Tableau | Anaconda | PyCharm | Figma | Heroku | AWS Amplify | Flourish Studio

**Certifications:** AI100 Python programming and Data Visualisation issued by Heicoders Academy(2020) | AI200 Applied Machine Learning issued by Heicoders Academy (2020)

**Soft Skills:** Works collegially with peers | Organized and Responsible | Proactive in leading projects | Detail-oriented | Active Learner | Adaptability