

C H E R Y L T A N

• DATA ANALYST •

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PROFILE

Data analyst with research experience in biotechnology and pathology. I love a good challenge and am passionate about transforming data-driven insights into tangible solutions for the community and industry.

SKILLS

Languages: R | Python | SQL

Visualisation: Tableau | PowerBI

Technical: AI/Machine learning | Biotechnology

RELEVANT EXPERIENCE

Jan 2021 **General Assembly Australia**

-Mar 2021 **Data Analytics Scholarship**

- Tools Applied: Excel, PostgreSQL/SQLite, Python, Tableau, PowerBI
- Skills: EDA, ETL, visualisation, web scraping, AI/Machine Learning
- See [Projects](#) here

Dec 2020 **COVID 19 Critical Care Consortium - UQ**

- Jan 2021 **Technical Research Officer (Database)**

- Performed data quality checks and cleaning of global ICU patient datasets on REDcap databases
- Liaised with clinicians, hospitals and managers to ensure missing or incorrect data is rectified for statisticians prior to data analysis

Oct 2020 **Blackbook.ai**

- Dec 2020 **AI Engineer Intern**

- UiPath RPA (Robotics Process Automation) for generating yearly reports and calculating client security hash
- Developed a test Python resource library for internal staff by creating packages in PyPi
- [Image classification project](#) for downstream industry applications
 - Deployed pre-trained TF model served via Flask API and containerised in Docker
- Documented data for Brisbane City Council Parking Project using Sphinx

EDUCATION

2021 • General Assembly Australia

Certificate in Data Analytics

2020 • TAFE Queensland

HLT 37415 Certificate III in Pathology Assistance

2012-2014 • The University of Queensland

Bachelor of Marine Science (Honours)

Research Projects:

- Invertebrates of the Coral Sea
- Development of a Multi Locus Sequence Typing (MLST) Scheme for *S. iniae*

Apr 2009 - Apr2011 • Ngee Ann Polytechnic (Singapore)

Diploma in Molecular Biotechnology &

Diploma Plus Certificate in Japanese

- Molecular biology and diagnostics (PCR, DNA sequencing, ELISA, FISH, microscopy)
- Analytical, organic, inorganic chemistry (HPLC, GC/MS)
- Final year internship project: Microsatellite genotyping of *Cherax quadricarinatus*

Awards:

- Director's List for Diploma in Molecular Biotechnology

FEATURED PROJECTS

COVID-19 Twitter Sentiment Analysis

- Visualise people's sentiments about a disease that is currently disrupting our lives
- Tools: Web APIs, Python(ipynb), Postgresql

COVID-19 Interactive Dashboard

- Demonstrate versatility of an interactive COVID19 dashboard with potential for further expansion as a decision making tool for clinicians.
- Tools: Web APIs, Tableau, Excel

Deploy and Containerise an Image Classification Model (TF/ ResNet50)

- Compared accuracy and efficiency of the top 4 pre-trained models for image classification
 - Deployed ResNet50 for image classification served on Flask API
 - Tools: Python, ResNet50, TF, FlaskAPI
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