

# ENOCH LOY

D A T A   S C I E N T I S T



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## PROFILE

Data scientist with a proven track record of consistently delivering exceptional models within tight timeframes. I am driven by a deep passion for lifelong learning and self-improvement. My journey began with self-study in programming and data science, culminating in my decision to enroll in a rigorous data science bootcamp to further enhance my expertise. I am excited to apply my skills to drive impactful outcomes in the face of diverse data-driven challenges.

## SKILLS

- Python
- Machine Learning (Scikit-learn)
- Tensorflow
- Keras
- Natural Language Processing
- Matplotlib
- Seaborn
- SQL
- Docker
- Data Analysis
- Tableau
- Communication
- Detail-oriented
- Problem Solving

## PROJECTS

### Skin Disease Classification using Computer Vision

- Developed a robust image classification model using deep learning techniques to predict the presence of five prevalent skin conditions in Singapore.
- The model was trained on over 3000 medical images, achieving exceptional test accuracy, recall, and f1-scores of above 90%.
- Tools used: [Tensorflow](#), [Keras](#), [Convolution Neural Networks](#), [Transfer Learning](#), [Deep Learning](#), [Grad-CAM](#)

### Natural Language Processing and Social Media Classification

- Utilized web scraping and NLP techniques to collect and analyze a dataset comprising of over 2000 user posts from Keto and Paleo subreddits.
- Developed a binary classifier and achieved 94% model accuracy in predicting subreddit based on user post content.
- Tools used: [NLP](#), [Web-Scraping](#), [Logistic Regression](#), [MultinomialNB](#), [BernoulliNB](#), [GaussianNB](#), [K-Nearest-Neighbors](#)

## EDUCATION

### DATA SCIENCE IMMERSIVE, GENERAL ASSEMBLY

May 2023 - Aug 2023

### NATIONAL UNIVERSITY OF SINGAPORE

Bachelor of Pharmacy (Honours)

Aug 2016 - Jun 2020

- CAP 4.92
- Dean's list for 4 consecutive semesters

## WORK EXPERIENCES

### PHARMACIST

KK Women's and Children's Hospital

Apr 2021 - Apr 2023

- Established the pharmacy-led rheumatology service, which include specialised counselling, creating tailored educational materials and optimizing medication use.
- Achieved desired patient outcomes through a daily individual workload of approximately 60 prescriptions.