



# Clive LO

## Data Engineer

**MPhil in Psychology with 4 years' experience in developing data processing Pipeline, Statistical Analysis, and exploratory Machine Learning analysis in Python and MATLAB in the Academic sector**

### KEY SKILLS

- Python
- MATLAB
- Signal Processing
- Machine Learning
- Shell Scripting
- Teamwork

### FDM TRAINING

#### Data Engineering

Training Programme, Hong Kong

Nov 2022 – Jan 2023

- Professional Skills
- UNIX
- SQL
- Excel
- Python1 / Python2
- Data 1 / Data 2
- Project

### EDUCATION

#### MPhil in Psychology

The Chinese University of Hong Kong

Sep 2020 – Sep 2022

#### BSocSc Hons in Psychology

Hong Kong Baptist University

Sep 2016 – Jul 2018

**Subjects included:** Statistics, Research Methods, Data Structures, Thesis Research, IT Management

**Project:** Neural manifestation of touch

### LANGUAGES

Cantonese (Native), English (Fluent)

### INTERESTS & ACTIVITIES

**Volunteering** - Tutoring for ethnic minorities

**Interests** - Vinyl collecting, Rubik's cube

**Sports** - Badminton, Table tennis, Running

### EXPERIENCE

#### Research Assistant

The Chinese University of Hong Kong

May 2019 – Sep 2020

Assisted in research projects investigating the properties of physical touch and neural synchronicity and involved in data collection, data analysis, and lab server maintenance

- Designed and developed an interactive GUI software in Python with a team to visualise and analyse 3D motion tracking data
- Transformed raw 3D motion tracking data into useful features for statistical analysis
- Processed video and audio data in Python using signal processing methods into usable information for further analysis
- Set up and maintained remote Linux server at out lab for automatic scheduled backing up of all lab members' files and data

#### Research Assistant

The Hong Kong Polytechnic University

Jul 2018 – Nov 2018

Involved in research projects evaluating the effectiveness of treatments for developmentally delayed children, specifically providing assessments to the children and data analysis

- Built a GUI application in Java to enter, calculate, and output assessments data more efficiently
- Designed and developed a memory assessment task using VBA in Microsoft PowerPoint

#### Project: Neural Manifestation of Individual Variations in Touch Pleasantness

The Chinese University of Hong Kong

Sep 2020 – Sep 2022

Collected neuroimaging and behavioural data to investigate whether there are individual variations in physical touch preference and how they are manifested in the brain

- Processed time-series neuroimaging data using signal processing methods and transformed them into time-frequency data in MATLAB
- Employed k-means clustering to discover individual variations in physical touch preference
- Applied support-vector machine to explore and classify relevant brain processes that could predict the clusters