



# LEONG CHEE YAN

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## Profile

Science graduate major in Bioinformatics passionate about technology and science. Highly motivated, enthusiastic individual with excellent problem-solving and communication skills and the ability to grasp new concepts and ideas quickly.

## Soft Skills

- Communication
- Problem-solving
- Teamwork
- Creative

## Certifications

### Fundamentals Certificate: An Introduction to Salesforce DevOps

DevOps Launchpad and Gearset  
2023

### Business Intelligence Foundation Professional Certification BIFPC™

CertiProf  
2023

## Languages

### English

Professional working proficiency

### Malay

Professional working proficiency

### Mandarin

Native or bilingual proficiency

### Cantonese

Native or bilingual proficiency

## Education

### Master of Science (Bioinformatics)

2021 – 2023

Universiti of Malaya (UM)

- Cgpa: 3.97/ 4.0

**Research project:** Ensemble-Based Virtual Screening Targeting SARS-CoV-2

- Experienced working with Linux environment to perform molecular dynamics of COVID-19-associated proteins.

**Relevant Coursework:**

Programming, Computing, Application of Programming, Statistics, Biomedical informatics

### Bachelor of Science (Microbiology) (Hons)

2016 – 2019

National University of Malaysia (UKM)

- Cgpa: 3.49/ 4.0
- **Honor:** Dean's List awards 2016/2017, 2017/2018

## Work Experience

### Research Assistant

Oct 2019 - May 2021

National University of Malaysia (UKM), Selangor

- Assisted main researchers in planning and design of experiments.
- Adapted to Linux environment to perform molecular dynamics of viral proteins.
- Research published in the peer-reviewed journal, receiving 3000+ hits.
- Presented concise research findings in front of up to 30+ people at the colloquium.
- Awarded for excellence in a scientific presentation in 2021.

**Research Publication:** "Styrylpyrone Derivative from Goniiothalamus sp.: A Powerful Drug for Fighting Against Herpes Simplex Virus Type 1" Pharmacognosy Journal (2021)

### Medical Laboratory Scientist (MLS) Intern

Jun 2019 - Aug 2019

Pantai Premier Pathology Sdn. Bhd., Perak

- Analyzed 1000+ patient specimens per month in a safe, efficient manner.
- Aided medical technologists to analyze laboratory findings, reducing workload by 49%.

## Academic Project Experience

### Web Development Project - Webserver for Bioinformatics Research

Jun 2022

GitHub Link: <https://github.com/cycy96/BioinformaticsOnlineSystem>

- Designed the architecture and developed bioinformatics websites to analyze and interpret DNA and Protein sequences using HTML, CSS, JavaScript, Python and CGI.
- Designed, coded, tested, and debugged to improve the quality of the programs.
- Applied debugging tools to diagnose and resolve problems, including both bugs and performance problems.
- Applies existing custom bioinformatics programs to both well-defined and moderately complex problems.

### Business Planning Project

Dec 2021

Project Link: [https://drive.google.com/drive/folders/1Fd6VQRcKsRxlj6-CPWeeRIIE290kgmcw?usp=share\\_link](https://drive.google.com/drive/folders/1Fd6VQRcKsRxlj6-CPWeeRIIE290kgmcw?usp=share_link)

- Devised and prepared a start-up business plan consisting of analysis of the business industry, financial, competitors, operations management, sales and marketing strategy within a tight deadline.
- Creatively designed a mobile app by using Figma.
- Collaborated effectively with team members to brainstorm ideas, reduced the workload by 10 hours a week, and achieved excellent performance that surpassed academic assessor expectations.

## Technical Skills

### Development

HTML, CSS, JavaScript, Python, R, Java

### Operating system (OS)

MS Windows, Linux (Ubuntu)

### Computer skills

Microsoft Office (Word, Excel, PowerPoint, Outlook)

### Software

Notepad++, Figma, R studio, Putty, Tableau, ORANGE

### IDE

PyCharm, IntelliJ IDEA, Visual Studio Code