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 Goniothalamus 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 - Webservers for Bioinformatics Research   Jun 2022
GitHub Link: https://github.com/cycy96/BioinformaticsResearch
- 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/1Fd6VQRCkSrxjl6-CPWeeRliE290kgmcw?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