



# Lee Feng Wei

SOFTWARE DEVELOPER

## Profile

Mathematics graduate with knowledge in various field of software development including data science, machine learning, web development and cryptography. Masters in cryptography research.

## Executive Summary

- 2 years backend developer that design, develop and maintain backend services.
- Involvement in full SDLC of backend services particularly on .Net framework and web application development.
- Major in cryptography research and data science.
- 2 papers published as first author for cryptography research.
- Involved in full cycle of data science project development.

## Employment History

### .Net Developer, Oasis Interactive (M) Sdn Bhd, Kuala Lumpur

SEPTEMBER 2023 – PRESENT

.Net developer.

- Payment Gateway Integration
- Development and maintenance for payment and transaction related features
- Queries optimization
- .NET, C#, SQL and etc.

### Software Developer, Xtremax Pte Ltd, Kuala Lumpur

SEPTEMBER 2021 – AUGUST 2023

Software Developer - Backend

- Back-end services POC design and implementations such as messaging and queueing system using RabbitMQ, event handler, event syncer, cron scheduler and etc.
- Back-end services maintenance including security fixes, bug fixes, support for projects, SAST and SCA fix, image scan fix.
- Responsible for unit test creation, API test script creation, load test investigation and performance optimization.
- Maintain and create UI illustration required for back end services.
- CI/CD deployment pipelines
- Containerization and micro services
- .Net, VueJS, C#, Docker, Kubernetes, ElasticStack, Stash, AWS Commit. Databases (SQLServer, PostgreSQL, Elasticsearch, mySql), Sonarqube, Bamboo, RabbitMQ, HTML, CSS

### Data Science Intern, Omnilytics/Shoppr Labs Sdn Bhd, Kuala Lumpur

OCTOBER 2018 – DECEMBER 2018

Responsible for ML models and toolkit development, data manipulation with UI creation, data visualization and analysis.

- ML models training and testing.
- Light weight application for data manipulation.
- Python, Flask, Docker, Machine Learning, Data Science, HTML, CSS

## Details

Kuala Lumpur

Malaysia

+60165332090

[lihong652008@hotmail.com](mailto:lihong652008@hotmail.com)

## Links

[Linkedin](#)

## Skills

Backend Development

Cryptography

Databases

Data Science

Front End Development

Functional Programming (C++)

Object Oriented Programming (C#, Java)

Python

Web Development (PHP, Laravel, .NET)

HTML/CSS/JavaScript

Machine Learning

Mathematics

Microsoft Office

Agile and Scrum

Ability to Work in a Team

Communication Skills

Highly responsible and reliable

Leadership Skills

## Languages

English

Chinese

Malay

## **Research Assistant, University Tunnu Abdul Rahman, Selangor**

MARCH 2020 – AUGUST 2022

Cryptography research and demo, writing research article and research article review.

- Theoretical proving
- Python, Latex

## **Real Estate Negotiator, Gather Properties Sdn Bhd, Ipoh**

JANUARY 2016 – AUGUST 2016

Finding and matching listings, approaching potential clients and close deal for matched listing.

## **Auditor - Entry Level, CH & ASSOCIATES CHARTERED ACCOUNTANT IPOH, Ipoh**

MARCH 2016 – JULY 2016

Managing clients' account, auditing, reporting, bookkeeping and taxation.

## **Education**

### **Master of Science, Universiti Tunku Abdul Rahman, Kuala Selangor**

MARCH 2020 – AUGUST 2022

Major in Cryptography research.

### **Bachelor of Science (Honors) Applied Mathematics with Computing, Universiti Tunku Abdul Rahman, Kuala Selangor**

OCTOBER 2016 – OCTOBER 2019

Major in Applied Mathematics with Computing.

Honors Degree with Merit.

### **Secondary School, SMJK Sam Tet, Ipoh**

JANUARY 2009 – DECEMBER 2015

- STPM ( CGPA = 3.5 )
- SPM

## **Publication and Conference Proceedings**

### **Variant of Niederreiter-based Signature Scheme for Blockchain Technology**

ICMC 2021, Proceedings of the Seventh International Conference on Mathematics and Computing, Springer, March 2022.

### **Key Exchange Protocol Based on Permuted Goppa Syndrome Decoding Problem**

ICDSP 2022, Proceedings of the 6th International Conference on Digital Signal Processing, ACM, February 2022, pp. 6-10.

## **Project**

### **Xtremax Pte Ltd, Kuala Lumpur**

SEPTEMBER 2021 – PRESENT

- XBase

### **Universiti Tunku Abdual Rahman, Kuala Selangor**

- Code-based Signature Schemes For Blockchain-based Online Voting System, Master Thesis

- Quantum Resistance Signature Scheme for Blockchain with Applications, Final Year Project

## **Omnilytics, Kuala Lumpur**

OCTOBER 2018 – DECEMBER 2018

- Data Science Toolkit, Product Match Image Models
- Product Match Application, Manual Pattern Categorization Application

## **Extra-curricular activities**

### **Sam Tet Symphony Orchestra, SMJK Sam Tet, Ipoh**

JANUARY 2009 – DECEMBER 2015

- Young Couch ( 2014 - 2015 )
- Vice President and Concert Master ( 2012 - 2013 )
- Vice Treasurer ( 2010 - 2012 )
- Singapore International Chinese (Ensemble of Chamber Music) Orchestra Competition - Singapore
  - Gold ( 2015 )
- 1st Malaysia International Music Art Festival - Genting - Malaysia
  - Gold with Honours ( 2014 )
- 21st Century International Arts Festival - Genting - Malaysia
  - Gold with Honours ( 2012 )
  - Gold ( 2011 )
- Chun Lei National String Ensemble Competition - Penang - Malaysia
  - Gold with Honours ( 2015 )
  - Gold ( 2011, 2012 )
  - Silver ( 2010 )

### **Sam Tet Chinese Language Society, SMJK Sam Tet, Ipoh**

JANUARY 2009 – DECEMBER 2015

- President ( 2014 - 2015 )
- Vice President ( 2012 - 2013 )
- Committee Member ( 2011 - 2012 )

### **Sam Tet Portal Management Board, SMJK Sam Tet**

JANUARY 2009 – DECEMBER 2015

- Treasurer ( 2012 - 2013 )

## **References**

References available upon request