

# Eason Lim Yi Hong

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A versatile engineer with a diverse technical background, including Web3 and DevOps. Known for adaptability and a passion for continuous learning, I thrive in problem-solving and collaborative environments. Actively engaged in tech events and speaking engagements to drive innovation and share valuable insights.

## Education

### Bachelor of Software Engineering (Hons)

Lancaster University | Sunway University

Sept 23' – Aug 25'

CGPA: 3.56

Capstone: AI-powered Note-Taking App

Django · NLP · Machine Learning

- Automatically generates fine-tuned notes from lecture videos and text-based inputs.
- Utilized NLP and reinforcement learning for content summarization and note improvement.

### Diploma in Information Technology

Sunway College

Aug 21' – Aug 23'

CGPA: 3.98

Capstone: Gamified Habit Tracker

PHP · JavaScript · MySQL

- Implemented game-like features to increase long-term retention and user engagement.
- Integrated a Tamagotchi-inspired virtual pet system to motivate users in building habits.

## Experience

### 42 – Coding School

Cadet

Feb 24' – Present

C · Shell Scripting · Linux

- Practical experience in low-level programming and system architecture through project-based learning.
- Collaborated in a peer-to-peer environment, building projects without standard libraries.

Pisciner

Jan 24'

Completed a month-long coding boot camp focused on C programming.

### Fusionex Group – Software Company

Back-end Developer (Internship)

Jun – Aug 23'

PHP · Laravel Lumen · Azure DevOps

- Developed RESTful APIs to enhance communication between web and mobile platforms.
- Delivered feature-specific modules to improve client reservation systems.
- Optimized SQL views, enhancing the overall product performance.

### Huawei

Sales Executive

May 21' – Present

- Achieved 120% of the annual sales target, generating RM 300k in revenue for 2022.
- Strengthened brand partnerships, enhanced company reputation and market presence.

### Sunway Tech Club (STC)

Advisor

Mar 24' – Present

Mentored the executive board and committees by providing strategic guidance and support.

Head of Marketing Department

Apr 23 – Mar 24'

- Led a team of over 10 to strategize and execute marketing initiatives.
- Secured event collaborations, enhancing the club's visibility and engagement.

Committee

Jun 22' – Mar 23'

Contributed to marketing initiatives and helped boost event participation.

### Sunway Student Ambassadors – Campus Organization

Executive of Publicity & Engagement

Dec 22' – Dec 23'

- Spearheaded the development of website, improving accessibility for students.
- Managed social media platforms, boosting online engagement.

## Honors & Awards

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### Jeffrey Cheah Foundation Scholarship

Aug 21', Sept 23'

*Issued by Jeffrey Cheah Foundation (JCF)*

- Awarded full scholarships for:
  - **Bachelor of Software Engineering (Hons) @ Lancaster University | Sunway University**
  - **Diploma in Information Technology @ Sunway College**
- Recognized for academic excellence and leadership qualities in both instances.

### ETHGlobal Singapore 2024

Sept 24'

*Global Ethereum Hackathon*

- Secured the following prizes:
  - **Best Consumer Application @ Sign Protocol**
  - **Pool Prize @ Worldcoin**
- Developed **DecenTRUST** to utilize on-chain skill verification through merit-based assessments.
- Focused on creating a transparent and anti-discrimination hiring process.

### Sunway's iLabs – Make It Challenge 2024

Jun 24'

*Web3 x Net-Zero – Solana Hackathon*

- Awarded **First Runner-Up** and **Best Prototype**
- Built **Voltio** for fractionalized clean energy investments via NFTs.
- Enabled users to earn sustainable returns via tokenized solar projects.

## Volunteer Work

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### Ethereum Kuala Lumpur 2024 (ETHKL)

Crew · Hackathon

*Malaysia's Largest Ethereum Community*

- Managed event logistics and supported participants during the hackathon.
- Assisted in organizing workshops and networking sessions.

### 42 x Fugee School – Pygame

Tech Lead · Workshop

*Game Development with 42*

- Conducted a Python workshop for refugee students, teaching basic game development.
- Guided students in creating their own games using Pygame.

### Project ElderCare

Lead · Veteran Support

*Community Service*

- Led a team of volunteers in organizing activities for elderlies.
- Raised funds through charity events to support the veterans' welfare.

### Sunway's Got Talent 2023

Committee · Event

*Campus Annual Talent Show*

- Hosted 1,000+ attendees and managed event logistics.
- Ensured smooth execution of the event, coordinating setup and scheduling.

### From Solo to Team Project

Speaker · Workshop

*DevOps with STC*

- Presented DevOps basics and best practices to 130+ participants.
- Focused on Git version control and CI/CD pipelines.

### Google DevFest KL 2022

Emcee · Event

*Malaysia's Google Developer Network*

- Hosted 500+ attendees, introducing speakers and managing event flow.
- Facilitated networking sessions to enhance participant engagement.

### DecenTRUST

*Bringing recruitment to the blockchain*

*Ethereum · Consumer · Web3*  
*Next · Solidity · Hardhat*

- Focused on creating an anti-discriminatory recruitment process using merit-based assessments.
- Built on **Linea** network with **Dynamic** for seamless user authentication.
- Leveraging **Worldcoin** for human verification and **Sign Protocol** to attest assessment results.

### Voltio

*Fractionalized clean energy investments*

*Solana · NFT · Web3*  
*Anchor · Rust · React*

- Enables fractionalized investments in solar energy projects through **tokenized assets**.
- Offering returns in native tokens as ROI for investors.

### Shukan

*Minimalist habit tracker*

*Android · Mobile*  
*Kotlin · Jetpack Compose · Room*

- Achieved recognition with **more than 60 stars** on GitHub for its simplicity and usability.
- Enables users to track and maintain habit streaks, with progress visualized.
- Built using **Coroutines** for asynchronous tasks and follows **MVVM** architecture.

### Piksel Bros.

*Pixelated 2D adventure*

*Platformer · Game*  
*Pygame · Python · Makefile*

- Created a 2D platformer with level editor and custom sprites.
- Developed a **custom physics engine** to facilitate dynamic character movement.

### 42-libft

*Custom C library*

*Data Structures · Algorithms · Library*  
*C · Makefile*

- Developed a custom C library with essential functions for 42's curriculum.
- Implemented Makefile for compilation and unit testing of functions.

### Pokemon

*Classic Game-Boy title*

*OOP · Turn-based · Game*  
*Scala · SBT*

- Recreates original Pokemon battles, with turn-based combat and type effectiveness.
- Developed an AI model that selects moves and switches based on game state.
- Automated asset handling using Python (**FFmpeg**, **BeautifulSoup**) to extract sprites and audio.

### Renew

*Marketplace for circular economy*

*Custom Framework · Web*  
*PHP · JavaScript · MySQL*

- A sustainable marketplace for recycling items, and showcasing upcycled products.
- Built an **MVC framework** from scratch to improve reusability.
- Incorporated a router and view manager, enabling dynamic content rendering.

### Jiraffe

*Task management tool*

*Full-Stack · Web*  
*MongoDB · Express · React · Node*

- Enables users to create, assign, and track tasks in a collaborative environment.
- Implemented RESTful APIs with **Express** for CRUD operations.
- Utilized **MongoDB** for dynamic data storage, enabling real-time updates.