

# Chong, Yong Kin

---

Kuala Lumpur, Malaysia | +60 (0) 164368678 | ✉ [ykchong45@gmail.com](mailto:ykchong45@gmail.com) | 🐙 [Couscous4304](#)

## Professional Summary

- Familiar with C++ and React.js, avid learner of various tech stacks in web 2 and 3 development.

## Education

### BACHELOR | 2017-2021 | TSINGHUA UNIVERSITY

- Major: Electronic Engineering
- Exchange: The Chinese University of Hong Kong (2020)
- Awards: 2017 EE Award for Overall Performances, THU (2017 年度電子系綜合獎學金)  
THU Outstanding Malaysian Scholarship recipient for 4 years (2017-2021)  
Tsinghua-Inditex Belt & Road Scholarship (2019) recipient

## Experiences

### SOFTWARE ENGINEER | LP-RESEARCH INC. | 2021 JULY - CURRENT

- Development and maintenance of OpenZen, a C++ sensor communication library, and its ROS driver.
- Developed a performant multithreaded data logging WebSocket backend.

### TEAM LEAD & FULL STACK DEV | ACY FINANCE | 2021 SEP - CURRENT

- Supervised the development of the DeFi project, coordinate frontend, smart contract and subgraph devs.
- Improved dApp UI and Express.js backend, contract testing.

### FULL STACK DEV | YZEL COMMERCE | 2021 SEP - CURRENT

- Developed a server-side rendered responsive site for an e-commerce startup. Used Mongo DB as storage.
- Worked with Shopee and Stripe's API and handle requests via AWS Lambda Functions.

## Latest Projects

### DE-CHAT - 1<sup>ST</sup> PLACE FOR XMTP PRIZE (ETH ONLINE 2022) 🎉👁

- A chat service that allows user to send tokens, stream funds and receive notifications. Integrated protocols such as XMTP, IPFS, the Graph, EPNS and more.

### CAPITAL-EFFICIENT LENDING PROTOCOL (ETHNYC 2022) 👁

- Innovative idea that increases lending pool's utilization rate by allowing in-platform leverage trading. This generates extra yields without introducing greater risk. We won Optimism and Covalent prizes.

### STARK STREAM (STARKNET HOUSE HACKATHON 2022) 👁

- Our team developed a fund streaming service to the StarkNet. I worked on the frontend and integration of Cairo smart contracts.

## **Other Projects**

### **HOUSEHOLD ELECTRICITY LOAD FORECASTING (2021)**

- Clustered and forecasted electricity load of a single household in a short time resolution for better photovoltaic system scheduling. By integrating DTW feature, the forecast accuracy is further improved.

### **TDOA-BASED DUAL MICROPHONES SOURCE LOCALIZATION (2019)**

- Implemented a spectral subtraction algorithm to effectively remove noise from the audio. Sound source localization is done by estimating time difference between two channels using GCC-PHAT.

### **SINGLE VIEW HEIGHT ESTIMATION (2019)**

- Extracted vanishing points from a still image to estimate the height of an object in the image.

### **DATA EXPLOITATION FROM MOOC (2019)**

- Data analysis with Python to discover the pattern of class enrollments over several academic. Provided suggestions and strategies for university online course selection.

### **ONLINE BOOK STORE (2017)**

- Built a PHP website for students and avid readers to exchange their beloved books.