Chong Yi-Ern

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# EDUCATION

**University of Glasgow**, School of Computing Science, Glasgow  **Sep 2023 - Present**

*Bachelor of Computing Science*

**Temasek Polytechnic,** School of Engineering, Singapore  **April 2018 – April 2021** *Degree in Computer Engineering* **Cumulative GPA:** 3.54

**Institute of Technology,** School of Engineering, Singapore  **April 2016 – March 2018**  *Higher National Certificate in Electrical Engineering*   **Cumulative GPA:** 3.17

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# TECHNICAL SKILLS

**Skilled Programmer** (Java, Python, C++, SQL, C)

* Designed several programs for both personal and business use in Java, Python
* Experienced with different frameworks such as Spring boot and Orient Object Programming

## Significant Experience with Web Technologies

* Graphic design, HTML, CSS, PHP, MySQL, JavaScript / jQuery
* Experienced in integrating APIs into web applications

## Familiar with Networked Systems and Cloud Computing

* Worked and implemented AWS cloud computing infrastructure

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# RELEVANT COURSEWORK

Mathematical Foundations of Computer Science; Intro to Algorithms, Databases and Information Systems, Artificial Intelligence, Scalable and Cloud Computing, Dynamic Systems, Data Structures/Algorithms

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# EXPERIENCE

**Sanctuary Students** – Glasgow  **May 2024– September 2024**

*Vacation Assistant*

* Tasked with record management and email management
* Responsible for weekly duties
* Helped in general housekeeping and stock checking

**TS Hardware PTE LTD** – Singapore  **May 2023 – August 2023**

*Part-time Ecommerce Developer*

* Created and maintained product listings on websites, ensuring that all product information was accurate and up-to-date.
* Optimized product listings for search engines, helping to improve website traffic and conversion rates.

**GovTech** – Singapore **September 2020 – April 2021**

*Software Engineer Intern*

* Assisted in the development of web applications using HTML and JavaScript.
* Designed and managed cloud-based infrastructure to meet the required specifications.
* Contributed to weekly data sorting activities.
* Conducted validation tests on new projects to ensure their viability.

**Courts Asia** – Singapore **September 2019 - October**

*Customer Service Representative*

* Worked well during high intense situations with customers especially during peak season.
* Displayed good responsibility by fulfilling my tasks ahead of time
* Showed good teamwork in communicating with my coworkers from other departments.
* Learned to work with different generations of the workforce.

# Personal Projects

**Smart Glove**

Developed a smart glove that utilizes flex sensors to measure the degrees of flexion on each finger and transmit the data to an Android app in real time. The app then uses this data to control the user's experience in a variety of games, such as a virtual piano or a hand tracking game. The data is also stored in an online database using PHP and SQL, allowing users to track their progress and compete with others.

# INTERESTS

Mobile Apps, Social Networks, Entrepreneurship, Interactive Technology, Innovation, and Kickboxing