

# HO-YU (DENNIS) CHENG

Melbourne, Victoria

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## PROFILE

Software Engineering enthusiast. Passionate about learning new software skills and being a good problem solver. Keep improving communication skills. Self-driven, highly focused, self-motivated, mindful of details and committed to developing cultural insights.

I am looking to start my career as an entry-level software engineer with a reputed firm driven by technology.

## EDUCATION

**The University of Melbourne**  
**Master of Software Engineering**  
Mar 2021 - Present

- Expected Graduation: Dec. 2023
- Current Weighted Average Mark: 81
- Melbourne Graduate Scholarship 2022 awarded for academic excellence

**National Chiao Tung University (Taiwan)**  
**Bachelors in Electrophysics**  
Sep 2015 - Jun 2019

## TECHNICAL SKILLS

- Java
- C/C++
- Python
- Javascript
- Node.js
- Express
- SQL
- MongoDB
- Shell script
- Git
- Docker
- Agile/Scrum
- Linux

## RELEVANT EXPERIENCE

**Wipro, vendor onsite at Google Taiwan Nest Lab team**  
**Laboratory Engineer & Test Engineer**

Jun 2020 - Jan 2022

- Took charge of the Google Nest software lab in Taipei
- Brought up an on-device testing environment
- Maintained automation testing for Nest devices
- Conducted manual and automated tests with Python and Linux shell scripts on Google Nest devices
- Cooperated across teams from Mountain View, CA, and Bangalore, India

## SCHOOL PROJECT

### Distributed Systems

#### Shared Whiteboard

Java

Created TCP sockets and thread-per-connection to implement a whiteboard allowing multiple users to draw simultaneously on a canvas. It supports features regarding canvas functions, whiteboard management and chat-box

### Software Modeling and Design

#### Pasur Trainer

Java

Design a Pasur Trainer Card Game based on the OO principle. Apply General Responsibility Assignment Software Patterns (GRASP) and Gang of Four (GoF) design patterns to a software program to achieve low coupling and high cohesion.

### Security & Software Testing

#### Fuzzing the FotBot Server

C Programming

Utilised code coverage-guided fuzzing technique (AFLNet - A Greybox Fuzzer for Network Protocols) to systematically fuzz test the FotBot server to discover security vulnerabilities

## LEADERSHIP

**Melbourne University Taiwanese Student Association**  
**President**

Nov 2021 - Present

- Direct over 100 people in the Club, including project and financial management
- Organise both career events and social events for Taiwanese students