RICHARD CHAO

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EDUCATION

Boot Camp (Java development, Cisco)	Jun 2023 – Jul 2023, Mar 2024 – Nov 2024
Gjun Information Technology School (巨匠电脑), Taiwan	
Bachelor of Engineering Honors (Aerospace)	Feb 2018 – Oct 2019, Feb 2022 – My 2023
University of New South Wales (UNSW), Australia	
Exchange Program / Study Abroad	Sep 2019 – Mar 2021
Munich University of Applied Sciences (MUAS), Germany	
International Baccalaureate (IB)	Sep 2010 – May 2017
South Island School, Hong Kong	

PROJECTS

Personal website
- Currently working on a personal website created using HTML and CSS hosted on Github Pages.
- Create a timeline using HTML and CSS

RELEVANT COURSES

Database Systems   UNSW
- As part of a university assignment, wrote SQL and python code in PostgreSQL to extract specific data from an existing database

Data Structures and Algorithms   UNSW
- Learned about different data structures including trees and graphs.
- Learnt about time and space complexity

Computer Systems Fundamentals   UNSW
- Learnt and translated a game (connect four) from C language using assembly language (MIPS).

INTERNSHIP

Joby Germany GmbH   Jun 2021 – Oct 2021
Position: Manufacturing Intern   Sauerlach, Germany
- Programming and milling objects using CAD and CNC (HyperMILL) machines.
- Managed tool data base of blades and designed objects in SolidWorks and SolidCAM
- Manipulation of SharePoint lists using Power Automate and Power Apps:
- Designed and created/programmed application using Power Automate and Power Apps:
    - App 1: Stores locations of fixtures on shelves with power app interface and recording them in several SharePoint lists.
    - App 2: Tracks quality of machines regularly and allows reports of problems to be written with choice of different languages available and then recorded in SharePoint list.
- Translate using German and Chinese to communicate with the branch in China and thus discuss Programming problems

5AXperformance GmbH   Jan 2021 - Apr 2021
Position: Engineer Intern   Inning, Germany
- Created my own 3x3 Rubik's cube out of aluminum through CAD and CNC machines.
- Programming of Computer numerical control (CNC/HyperMILL) machines
- Management and execution of CNC programming to drill, thread, milling etc. to produce desired component.
- Proficient with HyperCAD to construct abstract objects (from engineering drawings)
- Strong understanding of finishing of different types of materials/products and its procedures
- Clear grasp of technical drawings from CAD (to manufacture within tolerances)
- Design and manufacture products then simulate and the geometry from created technical drawings.
- Support programming and manufacturing of aerospace development materials
- Strong understanding of Quality management processes in aerospace development

CERTIFICATES

- Java SE 11 Developer
- telc Deutsch C1 Hochschule (German)

LEADERSHIP ROLES

Warrane College (UNSW) Oct 2022 – Dec 2023
Position: Tutor (Residential Fellow/Residential assistant) Sydney, Australia

- Organize coffee club (floor gathering for small activities) four nights a week for a half-hour session.
- Help at stalls at the University of New South Wales open days to promote the college and at Warrane's Parent's days.
- Organize Orientation week (Fresher's week) for incoming residents.
- Received First Aid, Mental Health First Aid and Fire Safety Training in case of emergency in the college.
- Organize and set up formal dinners for weekly Warrane formal dinners and ensure attendance of floor members.
- Assist residents in academics and other aspects of their university life by holding fortnightly catch up with each member of the floor to ensure they are doing well.
- Support, promote and encourage participation at the events held by the Activities Committee of Warrane throughout the year.

UNSW Hockey Club Mar 2018 – Oct 2018
Position: Coach Sydney, Australia

- Design and implement training every week to suit demands of the team.
- Coached and lead junior team to final four in the junior league.
- Acting as an umpire, being attentive and having good familiarity with the rules.

VOLUNTEER/CHARITY

Little Sisters of the poor (nursery home)

- Helped/volunteered at Mount St Joseph's Aged Care home, run by the Little Sisters of the poor with various tasks at a nursery home including gardening, cooking wash cars, socializing, and interacting with the residents there.

Work camp (Lismore, Australia)

- Volunteered to help people in Lismore who were affected by the historical flood for a week. Task included helping people with construction/rebuilding of two houses and a hotel that were submerged for many weeks.

EXTRACURRICULAR

- Hiking and Camping: Attained "The Hong Kong Award for Young people (Bronze)"
- Sports: Hockey (UNSW Hockey team), Tennis, Basketball

OTHER EMPLOYMENTS

R.O.C Air Force Sep 2023 – Jan 2024
Position: Air force Soldier (Military Service) Chiayi, Taiwan & Taipei, Taiwan

- Learned etiquette of being a soldier (Mindset to complete given task no matter what).
- Weapon handling including dissembling, utilization, maintenance etc.
- Weapons used: T65 Assault rifle (65K2), T91 Assault rifle.
- Working as a unit to perform tasks (20 soldiers).

Merivale (Sydney Cricket Ground/Sydney Football Stadium) May 2022 – Jun 2023
Position: Event Staff (Barista, Bartending, Section Waiter) Sydney, Australia

- Barista (Making espresso shots, frothing milk, cleaning machine)
- Bartending and making different drinks upon request.
- Greet customers and help them with their requests.
- Worked as runner and stocked fridges where needed

Warrane College Jan 2022 – Jan 2023
Position: Receptionist Sydney, Australia

- Demonstrated proficiencies in telephone, payment terminal and front-desk reception.
- Created professional, welcoming atmosphere for guests and residents.
- Supported guests/customers with their inquires or problems.

Starbucks Nov 2018 – Jan 2019
Position: Barista Hong Kong

- Prepared and supplied food and beverage orders and prepared sales reports and payroll.
- Opened/closed store and maintained store cleanliness.
- Greeting customers, provided information for specials and promotions, and setup. Held coffee preparation demonstrations and assisted customers with selections of food and beverages.

Lotus Modern Thai (Bar/Restaurant) Nov 2018 – Jan 2019
Position: Floor Staff Hong Kong

- Prepared food and beverage orders and prepared sales reports and payroll.
- Greet newly seated guests in a friendly and timely manner.
- Held cocktail preparation demonstrations and assisted customers with selections of food and beverages