RICHARD CHAO

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ABOUT ME

I discovered an interest in tech initially in university through some courses I took, and this later developed after attending a bootcamp in Taiwan during my 3 months gap between finishing University and serving the military. During this time, I was exposed to the possibility of creating my own project at the end of the boot camp and other areas of the IT field such as cloud technologies and Networking. I am currently working while I exploring different technologies hoping to be working on a real-world project to make an impact

SKILLS/INTEREST

- Java, Python, C, MIPS
- SQL, PostgreSQL, pgAdmin, mySQL
- Power Automate, Power Apps, SharePoint.
- CNC, CAD, HyperMill, SolidCam, SolidWorks
- English, Chinese, German, Japanese

EXPERIENCE

Pershing Technology Services Corporation
Position: Junior Middleware Engineer

March 2024 – Present
Taipei, Taiwan

EDUCATION

Boot Camp
Gjun Information Technology School (巨匠电脑), Taiwan

Jun 2023 – Jul 2023, Feb 2024 – Nov 2024

Bachelor of Engineering Honors (Aerospace)
University of New South Wales (UNSW), Australia

Feb 2018 – Oct 2019, Feb 2022 – May 2023

Exchange Program / Study Abroad
Munich University of Applied Sciences (MUAS), Germany

Sep 2019 – Mar 2021

International Baccalaureate (IB)
South Island School, Hong Kong

Sep 2010 – May 2017

PROJECTS

Certificate Getter
- A program in Java to help with the goal of helping learn for certificate examinations.
- Question bank will be stored on a database (PostgreSQL).
- You can add which ever certificate and start adding questions to learn them.

Personal Portfolio
- A personal website/portfolio created using HTML and CSS hosted on GitHub Pages.
- Create a timeline using HTML and CSS to show my life events.

CERTIFICATES

Microsoft Security, Compliance, and Identity Fundamentals (SC-900)	Mar 2024
Microsoft Azure Fundamentals (AZ-900)	Feb 2024
Microsoft Azure Data Fundamentals (DP-900)	Jan 2024
Java EE 7 Application Developer	Sep 2023
Java SE 11 Developer (1Z0-819)	Aug 2023
telc Deutsch C1 Hochschule (German)	Jul 2021

RELEVANT COURSES

CCNA (Cisco)   Gjun
- Build simple LANs, perform basic configurations for routers and switches, and implement IPv4 and IPv6 addressing schemes.
- Configure routers, switches, and end devices to provide access to local and remote network resources and to enable end-to-end connectivity between remote devices.
- Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer.
- Configure and troubleshoot connectivity a small network using security best practices.

Database Systems
- 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
Position: Engineer Intern

Jun 2021 – Oct 2021
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
Position: Engineer Intern

Jan 2021 - Apr 2021
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

LEADERSHIP ROLES

Warrane College (UNSW)
Position: Tutor (Residential Fellow/Residential assistant)

Oct 2022 – Dec 2023
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
Position: Coach

Mar 2018 – Oct 2018
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
Position: Air force Soldier (Military Service)

Sep 2023 – Jan 2024
Chiayi, Taiwan & Taipei, Taiwan

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

Merivale (Sydney Cricket Ground/Sydney Football Stadium)
Position: Event Staff (Barista, Bartending, Section Waiter)

May 2022 – Jun 2023
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
Position: Receptionist

Jan 2022 – Jan 2023
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
Hong Kong

Position: Barista

- 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
Hong Kong

Position: Floor Staff

- 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