

RICHARD CHAO

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ABOUT ME

As a versatile person with a unique background, I am actively seeking opportunities as a graduate. I am currently holding an Australian visa until 2028 with no working restrictions and therefore looking to take this opportunity to start my career in Australia. My experiences have prepared me for a range of roles from full stack development with Java to manufacturing engineer. Furthermore, I will be taking a course in mobile development too further broaden my view on java in mobile development. I will be undertaking a 2-week Internship in Java development early next year. Hence, I hope to start earliest in February 2025. I am very keen to work on meaningful projects and meeting wonderful people.

SKILLS

- Web Development Backend: JPA Framework, Jakarta Persistence, Java EE (Jakarta EE), Struts, Hibernate, MyBatis, Spring, SpringBoot, JUnit, Thymeleaf, SQL, JSP (EL, JSTL)
- Web Development Frontend: JavaScript, JQuery, AJAX, Vue, Axios, Node.js, Bootstrap, TailWind CSS
- SQL, MySQL, IBM MQ
- Power Automate, Power Apps, SharePoint
- CNC, CAD, HyperMill, SolidCam, SolidWorks
- Languages: English, Chinese, German, Japanese

EXPERIENCE

Pershing Technology Services Corporation	March 2024 – July 2024
Position: Junior Middleware Engineer	Taipei, Taiwan
<ul style="list-style-type: none">• Implemented mock Message Queue Structures using IBM MQ for clients ranging from Simple structures to cluster models• Shadowed mentors in setting up different databases structures for clients such as the HADR structure using Db2• Learned about the mindset to troubleshoot and maintenance when using IBM products• Knowledge and experience on REHL as most clients (banks/universities) use Red Hat	

EDUCATION

Technology Boot Camp	Jun 2023 – Jul 2023, Feb 2024 – Dec 2024
Gjun Information Technology School (巨匠电脑), Taiwan	
Bachelor of Engineering Honors (Aerospace)	Feb 2018 – Oct 2019, Feb 2022 – May 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

Expense Tracker Application

- Intro: Web application to track individual expenses for different users
- Language & tools Used: Java, MySQL, MyBatis, SpringBoot, HTML5, CSS, JavaScript
- Features: Register and login different users, CRUD

Personal Portfolio

- Intro: Interactive portfolio/resume in the form of a personal website hosted via Hostinger
- Language & tools used: HTML5, CSS, JavaScript, Tailwind CSS, Formspree
- Features: Responsive, Dark Mode

Weather App Application

- Intro: A weather application that displays the weather of cities
- Language & tools used: JavaScript, CSS, OpenWeatherMap API

CERTIFICATES

Microsoft Azure AI Fundamentals (AI-900)	Mar 2024
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)

- 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.

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

VOLUNTEER/CHARITY

Little Sisters of the poor (Nursery home)

Jan 2022 – Jun 2023, Sydney, Australia

- 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

May 2022, Sydney, 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
- Travelling

OTHER EMPLOYMENTS

Air Force Soldier Military Service (R.O.C Air Force:)

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

Residential Tutor (Warrane College)

Oct 2022 – Dec 2023 | Sydney, Australia

Merivale (SCG/SFS): Position: Event Staff (Barista, Bartending, Section Waiter)

May 2022 – Jun 2023 | Sydney, Australia

Receptionist (Warrane College)

May 2022 – Jun 2023 | Sydney, Australia

Barista (Starbucks)

Nov 2018 – Jan 2019 | Hong Kong

Floor Staff (Lotus Modern Thai (Bar/Restaurant))

Nov 2018 – Jan 2019 | Hong Kong

U15 Coach (UNSW Hockey Club)

Mar 2018 – Oct 2018 | Sydney, Australia