Melo Guan

https://meloguan.info

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Education

B.S. Computer Science, *The University of Auckland*   **Jul 2019 - Jul 2022**
Honours: Certificate of Outstanding Achievement (2019, 2020), NCEA Level 3 Excellence Endorsement
Related Courses: Functional Programming and Distributed Services (A+), Object-Oriented Software Development (A+), Computer Organisation (A+), Software Fundamentals (A+), Information Tools for Business (A+), Principles of Programming (A).

Work Experience

The University of Auckland, *Teaching Assistant*, Auckland, NZ.   **Jan 2021 - Present**
- Lead lab sections for introduction to Python, in charge of demonstrating programs and giving help whilst students finish lab assignments.

KPMG New Zealand, *Summer Intern*, Auckland, NZ.   **Nov 2020 - Dec 2020**
- In a team of 5 students, we focused on analysing publicly available data for creating a recommendation regarding the safety aspect of the housing market in NZ. Together we created a final report and submit it as a form of recommendation for our client.
- Actively contribute as a data analyst to analysis the recommendations of Publicly Available NZ Police datasets in Safety Aspects.
- Actively engaged with a mentor for weekly meeting discussions and providing moral support for the team.

Latipay, *Software Engineer Intern*, Auckland, NZ.   **Sep 2020 - Nov 2020**
- Web development by using asp.net core.
- Designing, developing test plans and implementing by automated testing tools and programs.
- Create logs to document testing phases and defects. Deliver thorough QA testing reports that determined product quality and release readiness.

Schengen International Group NZ Ltd, *Programming Tutor*, Auckland, NZ.   **Feb 2020 - Nov 2020**
- Teaching Python fundamentals and programming principles to high school students.
- Demonstrate the basic web development to students by using HTML and CSS.

Leadership & Campus Involvement

New Zealand Chinese Students' Association (NZCSA), *Director of IT Department*.   **Jul 2020 - Present**
- Determining business requirements for IT systems, Identifying and recommending new technology solutions.
- Working with engineers to find solutions to manage association activities.
- Managing all of the IT department, including directly supervising team members, hiring certain members, handling members' concerns and performances.
- Communicating with the technology team and other departments as collaboration require.

Web Development & Consulting Club (WDCC), *General Executive*.   **Jul 2020 - Present**
- Worked as a productive and positive team member to design, code, test, report and debug operations.
- Managed front-end and back-end development for the web application.
- Successfully identified, diagnosed, and fixed website problems, including broken links, typographical errors and formatting issues.

Skills & Abilities

- Python, Java, C programming, C#, SQL, Swift, Google App Script.
- Web Development (Html, CSS, JavaScript), .Net Core, XML.
- Computer Hardware Architecture.
- Information System Management and Microsoft Office.
- Google Admin, Project Management.

Visa Status

Students Visa   **Jul 2019 - Jul 2022**
Legal to work 20 hours per week during the School Period.
Legal to work 40 hours per week during Summer Vacation.

Project

Personal Website: https://meloguan.info (HTML, CSS, JavaScript).
Club Website: http://nzcsa.com, https://www.wdcc.co.nz
Project Participant: learning to debug programs in introductory computing courses.
Github(https://github.com/ygua699):
- **Web Dashboard:** The webpage can give students/workers a moment of calm and inspires them to be more productive. The dashboard function includes time and weather checks.
- **Payment System:** a Payment System consists of multiple classes. Build this by following the OOP and Design Pattern in Java.
- Web Application by using ASP.Net.