Alex Liu

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Master of Applied Computing student with a background in teaching and environmental science. Seeking a junior developer position that allows me to apply and grow skills within tech industry.

Technical Skill

Programming language:

- Python: Expertise in Python with knowledge of Flask, Django

- Java: Ability to write clean, readable Java code

Frontend :

- HTML, CSS: Advanced skills in HTML and CSS, enabling me to create visually appealing and responsive web interfaces.

- Javascript: Proficient in JavaScript for web development.

- Jinja: Hands-on experience with Jinja templating engine, allowing me to efficiently integrate data and logic into web templates.

- React: Familiarity with React framework.

Backend :

- Database : MySQL, Oracle. I have a strong command of MySQL and Oracle databases, including designing relational schemas and optimising queries for efficient data retrieval.

- API : Skilled in building RESTful APIs and have also worked with GraphQL to enable seamless communication between the backend and frontend components.

Version control:

- Github profile: https://github.com/Alexliu28

GIS:

- GeoDa: Utilised GeoDa for spatial analysis, particularly in the context of the Tianjin Economic-Technological Development Area.

Project

- Library management system: http://alexliu2333.pythonanywhere.com/staff

- Website for a local video company: https://affordablevideo.nz

- Gym management system. developed within a five-people team. http://lincolngymgrp14.pythonanywhere.com

Strengths and attributes

- Curiosity: Bringing curiosity and a willingness to learn, having developed a mini app purely out of interest.

- Versatile: Experience in Environmental Science, ECE, and Tech allows application of skills across across a range of sectors and projects.

- Lifelong Learner: Proficient in self-learning skills, have self-taught coding skills and the ability to continuously learn and improve.

- Teamwork: Collaboration with preschool teachers and parents as a registered teacher.

- Innovative Problem Solver: methodical, and flexible approach to problem-solving, especially enjoy the challenge of coding to find innovative solutions to complex problems.

Achievements

- Achieved A+ in Web Technologies Project (29/30).

- Designed Interactive Prototype wireframe for Parkrun.

- Lead of a university innovation and entrepreneurship project, received funding of 2,000 yuan to complete a fishery survey project in Tianjin.

Education

Master in Applied Computing |Lincoln University   2022-2023
Software Development, Advanced Database Management, User Experience, Studio Project, Industry Project, Advanced Programming.

Graduate Diploma in Teaching |New Zealand Tertiary School   2020-2021
Qualified registered ECE teacher.

Bachelor of Science in Environmental Science| Tianjin University of Science & Technology   2013-2017
Advanced Mathematics, Probability & Statistics, Fundamentals of College Computer, C Language Programming.

Professional Experience

Skiwiland Instructor | Mt Hutt Ski-field   May - Oct 2022

- Instructed groups of children aged 2-5 years the basics of skiing

- Managed students with challenging behaviour to ensure safety on site

- Planned sessions to ensure high student engagement

Visiting Teacher | Playschool, Auckland   Jan- May 2022

- Worked alongside over 40 families a month to evaluate child development

- Planned, organised and facilitated regular playgroups and outings

- Documented and evaluated child development

- Carried out care environment checks on new homes and reviewed existing homes

- Enrolled educators and matched families with educators

Teacher | Hand and Hand Learning centre, Hamilton   May- Dec 2021
- Communicated with teachers and parents.

- Implemented curriculum, set up and provided interesting activities

- Settled children, changed nappies, feeding, wrote feedback to whānau.

Gap year | New Zealand   2018 - 2020
- Travelling throughout New Zealand, worked as a Barista, Sales person and Receptionist.

Voluntary Contributions
- Expo 2015 Milan, Italy — Served in the China National Pavilion, introduced exhibits to people

- Confucius Temple Museum, Tianjin — Introduced Confucius to tourists on weekends

- Served as the head of the photography department of the press corps, managing twenty student photojournalists.

Interests

My interests include video-editing, photography, programming, and snowboarding. I have experience creating and editing video content, capturing stunning visuals through photography, and constantly exploring new ways to enhance my programming skills. Additionally, I enjoy snowboarding as a way to stay active and unwind.

References available on request