Shiyan Gong

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Profile

I am currently pursuing a Master's degree in Information Technology at the University of Auckland, with prior experience in teaching and a strong interest in web development. My ultimate goal is to utilise technology to enhance education, making a difference in the world simply through the keystrokes on my keyboard.

Skills Summary

Technical skills:
- Front-end development: HTML, CSS, JavaScript, React.js, Next.js, and Responsive design
- Back-end Development: Java, Node.js, Express, SQL, MongoDB, and Git

Computational Thinking:
- Proficient in deconstructing complex problems into simpler elements using pattern recognition and algorithmic thinking.

User Experience:
- Committed to enhancing user engagement and satisfaction through intuitive design and user-friendly features.

Self-development:
- Actively pursuing an IT graduate program and self-study certifications in AWS and Google Cloud, along with a comprehensive Next.js course.

Communication:
- Strong background in teaching and serving as a class representative, showcasing effective communication, presentation, and leadership abilities.

Mentoring:
- Experienced in providing educational guidance and delivering workshops on effective learning techniques for students and parents.

Well-organized:
- Demonstrated ability in meticulous planning, task prioritisation, and using tools like Trello for efficient project management.

Work Experience

Front-End Software Engineering Intern | Nosres   Nov 2023 – Present
- Implementing UX/UI design improvement.
- Contributing to developing the front end of an online social marketplace website using Next.js (React) and Material UI.
- Optimising webpage layout for desktop and mobile.

Class Rep of CS705 | University of Auckland   Jul 2023 - Nov 2023
- Contributed to mediating effective issue resolutions.
- Facilitated communication between university staff and students in a specific course.
- Addressed departmental issues assertively during faculty meetings.

Micro-Internship 2023 | University of Auckland   Jun 2023 - Jul 2023

Asia Pacific Competitor Analysis for TESLA Forecasting Solution
- Evaluated the current positioning of TESLA Forecasting and identified the main competitors.
- Analysed the energy forecasting market's key trends and growth indicators in the chosen countries.
- Conducted a high-level competitor analysis.
- Introduced an overview of possible strategic opportunities and challenges.

Teacher | ShangWuCheng Primary School   Sep 2020 - Jan 2023

IT Project Experience

Portfolio App:
- Utilised React, Next.js, Auth0, and Express for web application development with a focus on SSR, SSG, and API integration.
- Built and deployed a content management system for portfolios and blogs, featuring user authentication, real-time updates, and SEO optimization.

Bulls And Cows game:
- Used Java.
- Users guess and deduce hidden numbers whilst playing against the computer.

Car Search website:
- Built with CSS, HTML, JavaScript, Node.js, and Handlebars.
- Users can search, filter, and sort car listings based on specific criteria.

A blogging website:
- Utilised the tech stack, as well as ER diagrams, relational schemas, DAOs, SQL, databases, and a WYSIWYG editor.
- Users create personal blogs, publish and edit articles with a rich text editor, and interact and comment with other users.

An administrative interface:
- A Java Swing-based administrative interface enabling admins to view and delete user accounts.

Education

MS, IT, Year 2 - University of Auckland, Auckland   Feb 2023 - Present

Relevant Coursework:
- Programming for Industry
- Programming with Web Technology
- Maintainable Software
- Cloud Computing Architect (with AWS-SAA certification)
- Advanced Topics in Human-Computer Interaction
- Information Systems Research

BA, English Teaching - Jiangsu Normal University, Xuzhou   Sept 2016 - June 2020

Achievements:
- **Academic Honors**: Government Scholarship for Exchange Programme to The University of Melbourne with FirstHonor, 2018 - 2019

Interests & Hobbies

- Passionate about Chinese dance, I consistently participate in community events (such as events in Auckland Library). My dedication to this art form was recognised with a bronze medal at the World Dance Competition. Additionally, I had the privilege of performing on the stage at "Coca-Cola In The Park" in Auckland.
- Proactively learning Japanese independently. My interest was prompted by watching a Japanese series.

References
- Vita Tsai (my lecturer in UOA) -- vita.tsai@auckland.ac.nz
- Claudy Fleurant (Founder & CEO, nosres.com) -- cfleurant@nosres.com
- Lei Pei (TA in UOA) -- 6222ppt@gmail.com