Bihui Sun

Full Stack Developer

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Portfolio: https://bihui-sun.github.io/portfolio/

ABOUT ME

Kia ora, I'm Bihui. With a background in plant physiology and international business, my passion for the unknown and technology drives my journey in full stack development. I'm eager to apply my previous experience and technical skills to explore new opportunities in the tech industry.

PROJECTS

Group Project (Grow Grub): https://github.com/bihui-sun/Grow-grub

This application aims to provide comprehensive gardening knowledge to assist users at various skill levels in planting vegetables.

- **Tech employed**: Google AI, Draggable Grid Library, React.js, TypeScript, Tailwind CSS, SQL database, Node.js, Express.js
- **Feature**: User registration and login; Draggable grid for users to design their gardens; Search bar for users to search information for the planting details (data from Google AI); Daily tasks to remind users to water or harvest their vegetables.
- **Human Skills:** Teamwork, pair programming, communication, fast learner

Personal Project (Plant Identification): https://github.com/bihui-sun/plant-identification

I developed this application out of my passion for plants and nature. Drawing on my background in plant science, I aimed to create a plant identification application that allows users to identify plants based on key features and guides them through the identification process step-by-step.

- **Tech employed**: Tree-structure components, Conditional Rendering, React.js, TypeScript, Image Zoom-in/Zoom-out, SQL database, Node.js, Express.js
- **Feature**: Identify indigenous plants by their leaves, flowers, fruits, or Great Walks; Use easy and user-friendly key features for plant identification; Images can be dragged to zoom in and out to check plant details
- **Human Skills:** problem-solving, curiosity, passion for Tech, Empathy

EXPERIENCE

***Trainee* - Dev Academy, Wellington**

March 2024 - July 2024

An immersive full stack web development program with Dev Academy, providing practical tech skills and human skills that reflect real-world tech industry practices.

- **Tech Skills**: Used **agile methodologies** and implemented a comprehensive set of full stack web development technologies, including **JavaScript**, **TypeScript**, **HTML**, **CSS**, **React.js**, **Node.js**, **Express.js**, and **SQL databases** with **Knex** and **Test Driven Development** to build eight distinct projects in collaboration with facilitators and fellow cohort members.
- **Human Skills**: Engaging in **pair programming** and **collaborating** within diverse teams has enhanced my ability to **communicate effectively,** both with on-campus team members and those working remotely.

Registered Teacher, **Auckland, Blenheim & Wellington**

October 2019 - March 2024

- Worked **collaboratively** and **communicated** effectively with colleagues, parents, and children, utilizing a wide range of communication skills to handle various situations.
- Applied **problem-solving skills** to find solutions when dealing with different people or situations, learning to solve problems effectively and in a way that satisfies both parties.

Marketing Assistant - **Dutch Meat and Feed Center, Beijing**

December 2015 - January 2017

- Strengthened my **communication skills** by bridging companies from China and the Netherlands, helping both parties arrange seminars and conferences for technical and commercial communication.
- **Managed social media** and attracted potential followers.

EDUCATION

Dev Academy, Wellington - *NZQA level 6 Certificate - Applied Software Development*

March 2024 - July 2024

Durham University, England - *Master of Science - International Business*

August 2017 - September 2018

Beijing Forestry University, Beijing - *Master of Science - Turfgrass Science*

September 2013 - July 2016

Published paper <Water withholding contributes to winter hardiness in perennial ryegrass (Lolium perenne L.)> on European Journal of Horticultural Science

INTERESTS

Tramping, Hiking, Gymming, Aerial hoop, Pole dancing, Watercolor painting, inking

REFERENCES

Available on Request