YIWEI DIAO

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Full stack developer passionate about coding and learning. Seeking for a full stack developer position. Looking for growth opportunities to learn new technologies and grow my technical skill set. Offering a proven ability to grasp complex concepts and to methodically and logically resolve problems gained from years of scientific field experience.

Technical Skills

Front-End:	**Back-End:**	**Frameworks:**	**Deployment/Testing**:
HTML	Java	React/Redux	Git(Git Flow)
CSS	Node.js	Next.js	Docker
JavaScript	SQL(SQLite)	TailwindCSS	Jest
TypeScript	NoSQL(MongoDB)	React component ibrary	AWS/Azure
	REST API	(MUI, Mantine)	
	GraphQL API		

Software Developer Experience

Spark Sport (www.sparksport.co.nz)

***Full Stack Developer** | July 2022 – Present*

- Develop features with **React**, **Redux** and **TypeScript** for web streaming app.
- Maintain and develop features for **Chromecast** receiver app.
- Develop home landing page with **Next.js** and **TypeScript**.
- Deeply involve in the improvement of the **streaming** experience (CMAF migration, DVR window shifting, etc.)

MediaWorks (www.mediaworks.co.nz)

***Full Stack Developer** | Oct 2021 – Jun 2022*

- Create new components for **Adobe Experience Manager** with **Java** and **JavaScript** for radio website enhancement.
- Develop and implement more than 10 radio stations voting and countdown widgets with **HTML**, **CSS**, **JavaScript** and **Node.js**.
- Write **REST API** for web services.
- Create and deploy two internal tools with **React**, **TypeScript** and **Node.js** to make the end-to-end creation of the website widgets automated. Reduce 90% of the Business-as-usual time.

Software Projects

Youtagram – a video version of Instagram   **Live View**   **GitHub**

React | TypeScript | styled-components | JWT | Node.js | GraphQL | MongoDB |Docker
- A web app to mock Instagram allows login users to CRUD YouTube video links.
- The aim of this project is to practice how to implement TypeScript, Apollo Client for GraphQL, Styled Components, TailwindCSS for the front end. Node.js, GraphQL, DatatLoader, MongoDB and JWT for the backend.

Blogging website   **Live View**   **GitHub**

HTML | CSS | JavaScript | Node.js | REST API | SQLite | Azure
- Full stack development project built from scratch

- Built images by Docker and deployed the container on Azure

iTunes music covers retrieval app   🖥 **Live View** **(**access code: DQ**)**   🐱 **GitHub**

Node.js | MongoDB | TailwindCSS
- A web app to retrieve song covers from iTunes API
- Song list is read from the uploaded CSV file. Provide downloaded results.

Qualifications

Postgraduate Certificate in Information Technology – GPA 9/9 – University of Auckland | 2021

Master of Science (Microbiology) – GPA 8.48/9 – University of Oklahoma, USA | 2014

Bachelor of Engineering (Light Industry Biotechnology) – Sichuan University, China | 2011

Other Professional Experience

University of Auckland (www.auckland.ac.nz)

Research Technician | Feb 2018 – Oct 2021

- Academic literature research
- Conduct and assist with a wide range of experiments using fungi and pathogenic bacteria at PC2
- Optimise laboratory operations, aid in the development or modification of experimental protocols
- Develop a pipeline for data analysis and data visualisation
- Contribute to academic papers publish

Pace Analytical Energy Services LLC, Pittsburgh, Pennsylvania, USA (www.pacelabs.com)

Molecular Scientist | Apr 2015 – Nov 2017

- Carried out and managed laboratory testing plans and procedures, and maintained accurate logbooks of all procedures
- Developed new analytical procedures and authored Standard Operating Procedures for new systems
- Operated, maintained, calibrated and debugged laboratory equipment and software systems
- Independent responsible for lab equipment and supply purchasing up to 20k

University of Oklahoma, USA (www.ou.edu)

Research Assistant | Aug 2011 – Oct 2014

- Participated in the full lifecycle of data collection, experimental design, analysis and reporting
- Prepared and wrote research papers
- Provided training to new laboratory staff

Personal Details

Languages: English | Mandarin

Certificates: CPR | AED (First Aid)

Community: Volunteer – "Challenge Cup" (for National students) | Wenchuan Earthquake

Referees

Professional and character referees available on request