Leia Ooi

SOFTWARE ENGINEER

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SUMMARY

Passionate Software Engineer who loves building creative solutions that improve user experience and make things work smoothly. I work well with others and take pride in delivering high-quality websites, even in fast-paced environments. Dedicated to continuous learning and professional growth, with a passion for leveraging technology to solve complex problems and drive project success.

SKILLS

Front-end

• HTML • CSS • SASS • Tailwind • React.js •Javascript •Typescript

Back-end

• Node.js • Express • MySQL

Development & Tools

• GitHub • Git • Heroku • Jira • AWS RDS

EDUCATION

CS50 Intro to Computer Science
Coursera
📅 05/2024 - Present

Python for Everybody
University of Michigan (Coursera)
📅 08/2024 - Present

Diploma in Software Engineering
BrainStation
📅 02/2024 - 05/2024

Diploma in Music Performance
Douglas College
📅 09/2020 - 08-2022

PROJECTS

SnowCast *Website / Client / Server*

Provides real-time weather data for ski enthusiasts by displaying weather conditions at specific mountains.

- Developed **responsive user interface**, ensuring optimal viewing experience and usability across a wide range of devices and screen sizes.
- Utilized **component-based** approach in to build **reusable UI components**, enhancing maintainability and scalability of the application.
- Optimized image resolution, **reducing load times** by up to 40%, ensuring smooth loading and enhancing the user experience across all devices.
- Integrated with the OpenWeatherMap **API** to fetch real-time weather data based on coordinates stored in the database.
- Used Knex.js as a SQL query builder to interact with the MySQL database, performing operations like **querying and data retrieval**.
- Successful **cloud deployment** of client-side to GitHub Pages, server-side to Heroku, and database to AWS RDS, ensuring a reliable and scalable architecture for the SnowCast application

WORK

Nick-Kee Chicken Rice *Website*

- **Optimized website performance** by reducing image resolutions, enhancing page load speeds
- Integrated social media button at the bottom of the page, facilitating easier access to social platforms for customers and **boosting user engagement**, ultimately **increasing order conversions** and client visibility.
- Collaborate with client to iterate on designs and functionality, ensuring that user feedback was incorporated into each version, resulting in a highly tailored, client-approved final product.

VOLUNTEERING

Event Committee
VanJS
📅 09/2024 - Present

- Assisted with event logistics, including venue setup and technical equipment coordination.
- Managed the ordering and distribution of snacks and refreshments for special events.
- Supported event organizers with on-site needs, ensuring smooth event execution.

Tech Event Volunteer
AWS Community Day
📅 09/2024

- Assisted with event logistics, including setup and breakdown of equipment and materials.
- Coordinated attendee registration and managed the flow of participants during the event.
- Supported speakers and organizers with on-site needs, troubleshooting any technical or logistical issues.
- Helped create a smooth and organized environment for a successful tech event experience.

EXPERIENCE

Music Teacher
New West Music
📅 05/2021 - 02/2024

- Designed and implemented lesson plans tailored to individual student needs, ensuring engaging and effective learning experiences.
- Analyzed students' progress and adapted teaching methods to enhance their musical abilities and performance skills.
- Developed strong communication and collaboration skills by working closely with students, parents, and colleagues to foster a supportive learning environment.