Leia Ooi

SOFTWARE ENGINEER

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PROFILE

After a decade in music, I discovered a new passion in software engineering. My background in music taught me discipline, collaboration, and the importance of attention to detail—qualities that I now bring to coding. Graduating from BrainStation's bootcamp, I'm excited to combine creativity with technical skills to build innovative solutions. I'm driven by curiosity and love tackling challenges, and I'm eager to work on meaningful projects with a proactive and collaborative team.

SKILLS

HTML, CSS, SASS, Tailwind, Javascript, GitHub, Git, React.js, Next.js, Typescript, Node.js, Express, MySQL, RESTful API, Heroku, User Authentication, Figma, Jira
(In progress)
React Native

EDUCATION

BrainStation | Diploma Graduate Full Stack Software Engineer

FEB 2024 - MAY 2024
VANCOUVER, BC

Douglas College | Diploma in Music Performance

SEPT 2020 - AUG 2022
VANCOUVER, BC

PROJECTS

Software Engineer Student (Lead Coder) | SnowCast

MAY 2023, BRAINSTATION CAPSTONE PROJECT

- **Designed Responsive Web Application:** Developed a responsive user interface using React, ensuring optimal viewing experience and usability across a wide range of devices and screen sizes, including desktops, tablets, and smartphones.
- **Multi-page Website:** Developed a multi-page site with React, handling routing and navigation.
- **Implemented CORS:** Configured CORS to enable secure communication between the client and server, ensuring seamless interaction across different origins.
- **API Integration:** Integrated with the OpenWeatherMap API to fetch real-time weather data based on coordinates stored in the database.
- **Database Querying with Knex:** Used Knex.js as a SQL query builder to interact with the MySQL database, performing operations like querying and data retrieval.
- **Developed RESTful APIs:** Designed and implemented RESTful API endpoints to efficiently handle data retrieval and presentation from specific mountains, providing detailed and relevant information for ski enthusiasts.
- **Deployment:** Successfully deployed the client-side to GitHub Pages, the server-side to Heroku, and the database to AWS RDS, ensuring a reliable and scalable architecture for the SnowCast application.

Software Engineer Student (Collaboration) | InStock

MAR 2024, BRAINSTATION GROUP PROJECT

- **Instock Project Contribution:** Focused on front-end development and page design using Figma assets, while integrating backend features for a cohesive user experience.
- **JIRA Ticket Management:** Completed over 10 JIRA tickets in 4 days, aligning front-end and back-end tasks and coordinating with teammates for synchronization.
- **Daily Scrum Meetings:** Participated in daily scrums to discuss progress, address blockers, and plan next steps.
- **Collaborative Development:** Used GitHub pull requests and Stack Overflow to facilitate teamwork and minimize errors.
- **Team Communication:** Regularly updated the team through GitHub PR reviews, problem-solving, and project improvement suggestions.

EXPERIENCE

Music Teacher | New West Music

MAY 2021 - FEB 2024, VANCOUVER, BC

- **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.
- **Organized and conducted** recitals, showcasing students' progress and building their confidence in public performances.