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, Javascript, GitHub, React, Node, Express, MySQL, RESTful API, Heroku, User Authentication, Figma, Jira
(In progress)
Next.JS, Typescript, TailwindCSS, AWS EC2

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.
- **Transitioning to AWS EC2 Deployment:** Currently in the process of deploying the website using AWS EC2 to enhance scalability and reliability.

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

Software Engineer | BrainStation
FEB 2024 - MAY 2024, VANCOUVER, BC

- **Created websites based on provided mockups,** ensuring visually appealing and functional designs.
- **Analyzed and optimized code structure,** using Chrome Dev Tools for effective debugging and performance enhancement.
- **Gained proficiency in various technologies,** including React, MySQL, Node.js, Express, RESTful APIs, JWT, Passport.js, Heroku, and DevOps, during the span of my bootcamp.
- **Collaborated with peers in hackathons** through Git Flow and GitHub Pull Requests, demonstrating strong teamwork and technical capabilities.