Michelle Chen

778-886-4700 | michellech2539@gmail.com | linkedin.com/in/michellech2539 | github.com/hsiangyichen

TECHNICAL SKILLS

Languages: Java, Python, HTML, CSS, SCSS, JavaScript, TypeScript, MySQL, Oracle DB
Frameworks: React.js, Vue.js, Next.js, Node.js, Spring Boot
Developer Tools: Git, AWS, Maven
Libraries: Mocha, Chai.js, JUnit, Apache POI

EDUCATION

The University of British Columbia   Vancouver, Canada
Bachelor of Science, Major in Computer Science   *Expected Graduation: 2025*
- Relevant courses: Computer Systems, Algorithms and Data Structures, Relational Databases, Software Engineering, Algorithm Design and Analysis, Human Computer Interaction Methods

Dalhousie University   Halifax, Canada
Bachelor of Science, Major in Computer Science   *2019-2020*
- GPA: 3.82/4.3
- Dean's List 2019-2020

EXPERIENCE

Software Engineer Intern   Jan 2023 - July 2023
Binance.US   *Vancouver, Canada*
- Integrated APIs using the **Java Spring Boot** framework for efficient data exchange and utilized **Vue.js** with **Element UI** to implement functional user interfaces, resulting in a **95%** improvement in user access
- Implemented an image storage solution using **AWS S3** in Java, which included developing client-side file uploads and integrating **AWS SDKs** for S3 bucket interaction
- Created data export features using **Apache POI** that allow users to download data in Excel format
- **Exceeded internship expectations** by restructuring and modularizing existing codebase, enhancing code consistency and long-term scalability; resulted in about **40%** reduction in code duplication

PROJECTS

Course Search Engine | *JavaScript, TypeScript, Node.js, jQuery, Mocha, Chai.js*
- Built a query engine to validate the course data entry based on EBNF and collected the required datasets after the query was validated using **TypeScript** within **Node.js** framework
- Developed a client-side implementation that accessed backend functions using TypeScript and **jQuery**
- Utilized **JavaScript** to interact with a REST API, issuing requests to the server and retrieved datasets
- Designed unit tests using **Mocha** with **Chai.js** library in both API endpoints and the backend implementation

Online Music Store | *Java, JUnit, OO Design*
- Designed a **Java-based** online music store with an integration of a GUI using **Swing** libraries, which enabled users to manage their music app from the interface by creating, adding, and removing songs
- Ensured reliability and correctness across diverse input variations and edge cases by implementing **JUnit** tests
- Adapted **OO design pattern** to optimize the readability and functionality of the program

Restaurant Management System | *PHP, MySQL, Oracle DB*
- Create an application for a fried chicken chain store, focusing on order tracking, meal customization, workstation allocation, and customer information management to enhance operational efficiency and customer experience
- Developed a **PHP-based** GUI integrated with a **MySQL** database, including INSERT, UPDATE, and various aggregation queries
- Utilized **Oracle's SQL*Plus** for query testing and result verification, guaranteeing precision and dependability

COMMUNITY & LEADERSHIP

Public Relations Executive   2021 – 2023
UBC Taiwan Association   *Vancouver, Canada*
- Developed and implemented strategies to enhance sponsor satisfaction, resulting in a 90% retention rate
- Collaborate with the marketing team to create customized sponsorship packages that align with sponsors' marketing objectives, which increased event attendance by 30%