LINDA HAN

Email LinkedIn GitHub Website

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, PHP, Node.js, Java, SQL, HTML, CSS, C/C++, R
Developer Tools/Frameworks: Git/GitHub, JUnit, Mocha, Chai, GDB, Visual Studio Code, IntelliJ IDEA, JupyterLab
Technologies/Infrastructure: AWS, Kubernetes, Helm, Docker, Terraform, ArgoCD, Grafana

WORK EXPERIENCE

Samsung **Sep 2022 – Apr 2023**
Cloud Engineering Co-op *Vancouver, BC*

- Containerized 15+ existing microservices to using Docker and Kubernetes on AWS, achieving a highly scalable and cost-effective infrastructure.
- Utilized Terraform for infrastructure provisioning and ArgoCD for GitOps deployments, improving the efficiency of the pipeline process in the cloud environment.
- Successfully integrated Grafana dashboard with Prometheus and Loki for system monitoring/logging, helped team reduce operational costs.

University of British Columbia **Jan 2023 – Apr 2024**
Teaching Assistant *Vancouver, BC*

- Provided instructional support for CPSC 213 - Introduction to Computer Systems (1 semester) and DSCI 100 – Introduction to Data Science (2 semesters)
- Enhanced student learning by leading weekly tutorials for over 100 students to reinforce key course material

TECHNICAL PROJECTS

Ski Resort Web Management System | *PHP, SQL, Oracle* **Feb - Apr 2024**

- Leveraged PHP for user-friendly frontend design and Oracle Database with SQL*Plus for backend development, creating a comprehensive web portal to manage ski resort operations.
- Implemented efficient data management practices through ER diagram design, data normalization, and SQL DDL/DML, ensuring data integrity and facilitating smooth operation of the system.

InsightUBC | *TypeScript, JavaScript, Express.js, Mocha* **Sep – Dec 2023**

- Designed and developed a full-stack web application using TypeScript, JavaScript, Express.js, and Mocha/Chai, empowering users with valuable insights on UBC courses and rooms.
- Implemented robust dataset management and a powerful query engine on the frontend and backend, ensuring efficient data retrieval and user interaction

The Avengers Classifier | *Python, jQuery, Nginx, AWS* **Apr 2022**

- Constructed a web application using Python for machine learning and jQuery for user interaction, enabling users to identify characters from Marvel's The Avengers series through image recognition.
- Successfully deployed the application onto Amazon EC2 instances across diverse Linux systems (Ubuntu, Red Hat), ensuring seamless operation across various Linux environments.

EDUCATION

University of British Columbia **Sep 2020 – Dec 2025**
Bachelor of Science in Computer Science, Minor in Data Science

- Cumulative GPA: 91.6%
- Recipient of Trek Excellence Scholarship (2021, 2023) and Charles and Jane Banks Scholarship (2023)

OTHER EXPERIENCES

GIRLsmarts4Tech **Feb – Apr 2023**
Workshop Curriculum Developer *University of British Columbia*

- Designed and implemented an inclusive lesson plan to introduce machine learning and Generative Adversarial Network (GAN) to girls and other underrepresented youths

Robokids **Jul 2022 – May 2023**
STEM Instructor *Coquitlam, BC*

- Instructed summer camp and regular classes, supported over 30 elementary and middle school students to create personal projects using LEGO robotics, Roblox Studio, drone programming, micro:bit, and SketchUp