

# Allen Li

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## EDUCATION

### British Columbia Institute of Technology

Computer Information Technology Diploma (CIT) GPA: 86/100

Vancouver, BC

Jan 2022 – Dec 2023

### Kwantlen Polytechnic University

General Studies

Vancouver, BC

Sep. 2017 – Sep 2019

## PROJECTS

### Flappy Patrick | Python, Pygame, Flask

Sep 2022 – Dec 2022

- Engineered a Flappy Bird clone, enhancing gameplay with real-time scoring and dynamic obstacles.
- Devised APIs for game state management and score tracking, employing Flask for server-side logic.
- Implemented JSON for efficient data serialization and storage, optimizing game performance.

### GPA Calculator (Group Project) | Python, Flask, MongoDB, HTML, CSS, JavaScript

May 2022

- Collaborated on a GPA calculator, integrating Flask and MongoDB for data persistence.
- Designed a user-friendly interface with HTML/CSS, enhancing accessibility and user engagement.
- Incorporated secure authentication mechanisms, safeguarding user data and privacy.

### Library Microservices | Python, Flask, Kafka, Docker, MySQL, Nginx

Sep 2023 – Dec 2023

- Architected a distributed library management system, optimizing for scalability and resilience.
- Facilitated inter-service communication via Kafka, ensuring robust data exchange and system integrity.
- Leveraged Docker for containerization, achieving consistent deployments and isolated environments.

### Network Provisioning with Terraform and Ansible | Terraform, Ansible, AWS

Sep 2023 – Dec 2023

- Orchestrated a cloud-based infrastructure on AWS, utilizing Terraform for infrastructure as code practices.
- Automated configuration and deployment of EC2 instances and network resources with Ansible, enhancing operational efficiency.

## EXPERIENCE

### YVR World Dufry Duty-Free

Retail Sales

Vancouver, BC

August 2019 – April 2020

- Delivered exemplary customer service, significantly improving customer satisfaction and sales metrics.
- Cultivated teamwork and communication skills, quickly adapting to fast-paced retail environments.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, SQL, Bash

**Frameworks/Libraries:** Flask, React, Node.js, pandas, NumPy

**Tools & Platforms:** Docker, Kubernetes, Git, GitHub, GitLab, Terraform, Ansible, Cloud Computing (AWS, Azure, Google Cloud), Kafka, MongoDB, MySQL, Nginx, Linux, Windows OS, VS Code, PyCharm

**DevOps & CI/CD:** Jenkins, GitLab-CI, emphasizing CI/CD practices for streamlined deployment processes