

Qi Dang

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GitHub: <https://github.com/QI-D?tab=repositories>
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Profile

Passionate about software development. My entrepreneurial background has taught me strong interpersonal, and problem-solving skill, and persistence. BCIT CIT program has given me broad technology skill set including software/web development, cloud computing, database design and management, Windows/ Linux system and server, and networking.

Technical Skills

Programming	Web	Frameworks	Cloud	Database	Tools
<ul style="list-style-type: none">• Python• Java	<ul style="list-style-type: none">• JavaScript• HTML• CSS• Node• Express	<ul style="list-style-type: none">• React• Bootstrap• Flask• Django	<ul style="list-style-type: none">• AWS• DigitalOcean	<ul style="list-style-type: none">• MySQL• SQL• Firebase• MongoDB• PostgreSQL	<ul style="list-style-type: none">• Git• GitHub• TravisCI• Linux/UNIX

Work Experience

Junior System Engineer Co-op (May – Aug 2021)

May 2021 – Present

Intellyon Inc.

- Installation, configuration, security and maintenance of server software:
 - Cloud computing (AWS)
 - Web Server (Nginx)
 - Application Server (Gunicorn)
 - Software Development Framework(Django)
- Monitoring server software for performance, uptime, error logs and security.
- Database development (PostgreSQL, PL/pgSQL, SQL)
- Server-side scripting and REST API Development (Python)
- Development and maintenance of Admin Portal (Python, HTML, CSS, JavaScript)

Owner/ Store Manager

April 2018 – April 2020

Tomley's Market, Victoria, BC

- Responded to customers' inquiries, complaints, and requirements in timely and professional manner
- Originated weekly planning including employee schedule, delivery schedule, stock management
- Monitored sales and revenue to ensure reaching the target each month and even surpassing it
- Hired new employees, instructed them in work safety standards and introduced them in the collective
- Placed orders and kept in contact with suppliers to ensure a great collaboration

Grill Cook

Dec 2016 – Dec 2017

Erto Suchi, Victoria, BC

- Provided courteous and informative customer service in an open kitchen format
- Established and maintained open, collaborative relationships with the kitchen team
- Adjusted recipe based on customers' needs

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Projects

Scheduler

IT Projects Practicum - This project will be trialed in the NICU at BC Women's Hospital

January 2021 – April 2021

- To expand and improve a web-based application provides better schedule functions based on nurse's discipline, patient needs, and consistency of shift assignments
- The application was developed using Python, Flask, Jinja, jQuery, Bootstrap and MySQL
- Further development of algorithms to make more accurate assignments
- Implementing alert to anticipate conflicts in assignments
- Applying Agile methodology and building relationship with team members and clients

Maze Game

Object-oriented Programming

October 2020 – November 2020

- Developed a maze game that player has control over the character to explore the maze and collect items within duration; then the results are uploaded to a web leaderboard
- Developed the game using Python language, PyGame module and Model-view-controller pattern
- Developed and debugged the game with Test-driven Development process using pytest
- Applied Agile methodology and built relationship with team members
- Collaborated with team members on GitHub such as creating, pulling, pushing, and merging branches and resolved merge conflicts

Social Reminder

Developing Web Applications

October 2020 – November 2020

- Developed a reminder app that enables user account creations, reminder creation, reminder modification and deletion. It also allows user to share reminders with friends.
- Developed the app using JavaScript language, NodeJS, EJS, Bootstrap and MongoDB
- Established cookie session which stores credentials to maintain an active session for users
- Collaborated with three team members using Agile methodology and manage repository on GitHub

Education

British Columbia Institute of Technology, Vancouver, BC

Winter 2020 - Present

- Computer Information Technology - GPA: 88%

Expected Graduation: April 2022

Camosun College, Victoria, BC

Jan 2018 – April 2018

- Associate of Science Degree

University of Victoria, Victoria, BC

Sept 2016 – Dec 2017

- Computer Science