

# Qi Dang

Phone: (250) 891-2068  
Email: [qdang6@my.bcit.ca](mailto:qdang6@my.bcit.ca)

GitHub: <https://github.com/QI-D?tab=repositories>  
LinkedIn: <https://www.linkedin.com/in/qi-dang-84594311b/>

## 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/management, Windows/ Linux system/server, and networking.

## Technical Skills

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

## Work Experience

### Junior System Engineer/ Back End Developer 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

### Chef

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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## Personal Projects

### Chatting

In Progress

- To develop a web app which allows users to have private chats with friends and public group chats
- This app will be developed using Node, Express, MongoDB, and Socket.IO

### Snake Game

Duration: 3 days

- Developed a snake game which player has control over the snake to collect apple; then the scores are uploaded to a web leaderboard
- Developed the game using Python, Pygame, MySQL, and Flask
- Developed difficult levels to adjust speed of snake and score per apple

## Academic Projects

### Scheduler

*Industry Sponsored Student Projects - This project is on trial 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
- Developed on algorithms to make more accurate assignments
- Implemented filtered dropdown lists to anticipate conflicts in assignments
- Applied Agile methodology and built 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

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- 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

- Computer Information Technology - GPA: 88%

Winter 2020 - Present

Expected Graduation: April 2022

### Camosun College, Victoria, BC

- Associate of Science Degree

Jan 2018 – April 2018

### University of Victoria, Victoria, BC

- Computer Science

Sept 2016 – Dec 2017