Qi Dang

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

Portfolio: http://qidang.me/
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
• Python	• JavaScript	• Flask	• AWS	• MySQL	• Git
• Java	• HTML	• Bootstrap	• DigitalOcean	• SQL	• GitHub
	• CSS	• Unittest		• Firebase	• TravisCI
	• Node	• React		• MongoDB	• Linux/UNIX
	• Express			• PostgreSQL	• Postman

Work Experience

Junior Systems 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

Erito 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 NodeJS, ExpressJS, 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   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