

Qi Dang

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

GitHub: <https://github.com/QI-D>
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 development, cloud computing, database design, data analysis, Windows/ Linux system and server, and networking.

Technical Skills

| Languages | Operating Systems | Tools |
|--|---|--|
| <ul style="list-style-type: none">• Python• JavaScript• HTML/CSS• SQL• Java• bash | <ul style="list-style-type: none">• Windows• Fedora Server• Ubuntu• CentOS• MacOS | <ul style="list-style-type: none">• GitHub• Visual Studio Code• Microsoft SQL Server• NodeJS• MongoDB• TravisCI• AWS• MySQL |

Projects

Scheduler

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

January 2021 – Present (Expected Completion: 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

Painting Generation

Algorithm

January 2021 – Present (Expected Completion: April 2021)

- To develop an application to generate new image using machine learning
- Applied Python language and machine learning platform TensorFlow
- The combination of superpixel segmentation, color quantization, and neural style transfer will be applied

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

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- 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

Work Experience

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

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