Guang Yang

778-233-9428
gyang55@my.bcit.ca

General Cover Letter

Developing powerful software to solve business problems and make life easier is something I am passionate about, with a great attitude and technical skills learned from Computer System Technology (CST) program, I believe that I can contribute to your team.

In CST, I learned Objected Oriented Programming and implemented the OOP knowledge using Java and python. Which helped me master some basic and advanced OOP concepts such as abstraction, encapsulation, inheritance etc. For web app development, in a team of 4, we have been developing a new feature of data collection for SISA energy Inc's existing web app since Sep 2022. We used Figma for UI prototype design, HTML/CSS/React to code out the front-end pages, and Flask to set up the backend server to work with the database, PostgreSQL. In this project, we used pytesseract and Tesseract OCR to read the pictures, extract texts and fill in hundreds of input fields automatically. And post the data to database after users confirm the input.

In May 2022, in the same team of 4, we developed a prototype web application for the district of Kitimat-Stikine. The app was developed from scratch using c# ASP.net Core and MySQL. This project we mainly focused on designing and building the database, as managing tons of data is the primary goal of the project. We developed the database by laying down business rules, identify entity and relationships, implement the database. The app was built in MVC pattern, the frontend pages was built by ASP.net scaffold, models and controllers are built using c#. The final app was beyond the employer's expectation and highly commended.

Individually I built my own portfolio web using MERN and restful API. Specifically, I saved my own data in MongoDB and using Node express for backend to work with the database, and display my experience, skills, and education etc. in React written pages.

Apart from technologies, I am constantly building my teamwork spirit considering software development is never a one-person job; all the projects I have done at BCIT were the results of teamwork, during which I assumed various roles such as team leader, facilitator, and designer. The experience of collaborating with different team members helps me fit in any team with any role.

Being eager to learn is one of the must-have abilities for a software developer and I fit the bill. Programming technologies are evolving so fast, and I am fully aware that to be a qualified developer, I need to keep up with the technology evolution speed. To be honest, I enjoy the learning process and never take this as a burden since every new technology is the latest achievement of some smartest brains in the world and learning from those smart engineers broadens my horizon.

For me, being a software developer is not just a way to make a living, but a vocation to which to devote myself. I sincerely hope my knowledge and experience will earn me an interview. I am looking forward to hearing back from you and thank you very much for your time.

Sincerely

Guang Yang