Statement of Intent

Building small computer games, line follower robots and repairing computers, I got overwhelmed with electronics and programming since my school days. I was exceptional in maths and computers. So, I decided to make a career in the software industry.

After completing my under-graduation, I got selected in a product development company as a Software developer from the campus interview. I got opportunity to work on Linux platform for the first time. So, I learned about Linux by reading books and watching tutorials. From that point onwards, I kept on learning about new computer science concepts and technologies by myself. By working on real world projects in a team environment, I discovered new skills such as teamwork, planning and time management.

I have learned about core computer science subjects such as Algorithms, Data structures and Operating systems on my own. I have also participated in online competitive programming contests on HackerRank to improve my programming skills. I educate myself by taking different online courses on edx, coursera and udacity. I do freelancing in my spare time to apply my skills which I gained from online courses into the real world projects. I contribute in open source projects hosted by GitHub with other contributors to make an impact in a large community.

I attend technological meet-ups and events organized from meetup.com to update myself with latest technologies. The renowned groups in which I go are as follows.

- Google Developer Groups

- Mozilla

- Wordpress

- Python Express

I like solving challenging problems. The kind of problems that have not been solved before, that might not even appear to be problems at first sight. The kind of problems one learns to solve at research universities. My long term goal is to become leading research scientist who builds machine learning based innovative products within next 5 years.

My research interest lies in Machine Learning. I have recently developed a deep learning based chatbot leveraging TensorFlow library. This project tries to reproduce the results of a Neural Conversational Model. It uses a RNN (seq2seq model) for sentence predictions. It is done using python programming.

I have the work experience, the motivation, and the entrepreneurial spirit. I want to achieve expertise in computer science by going through the graduate level program. I believe University of British Columbia's computer science graduate program would be the best place for me to gain that.

I want to study at UBC for several reasons. Firstly, UBC has a great reputation worldwide as a high quality institution. Secondly, there are many potential supervisors in UBC whose research interests aligned well with my own. Lastly, UBC is located in the greatest city on the Canadian West Coast, Vancouver, which is probably the best place in Canada for outdoor and adventure enthusiasts. I believe, to study at graduate school, is an interesting way to meet new people, researchers and professionals while having a challenging learning experience.