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First of all, let me introduce myself. I'm Iman Tabrizian undergraduate student from Amirkabir University of Technology. My purpose is to expand my knowledge in the area of computer networking. I've been in the R&D team of IoT Laborartory for developing a general purpose IoT platfrom. In here we managed to create a platform based on MQTT for message broker. This platform supported definition of types in a hierarchical model.

To talk more about my experience in the field of IoT I've worked with a company in the innovation center of our university to provide the IKCO, leading car company in Iran, an IoT based solution for manufacturing cars and the subsystems of the car with less effort and mistake. It is deployed now and 50 things are connected simultanously. It uses MQTT as its message broker. I've also worked with University of Toronto and their testbed (SAVI) to deploy and test a general orchestration platform. This platform is quit modular and can support different infrastructure as a service to provide its services to end users. It supports different scaling factors as its criteria for scaling infrastructure based on dynamic conditions.

Because of my experience in the creation of platform for IoT I've realized that the goal to make everything software defined is the purpose and future of research in this field. I understand that softwarization is the goal no matter what is the area. It may by the real world which will lead to development of IoT platforms or network which will lead to SDN and their related platforms.

One of the most important things about my choice for a university for graduate studies is wealth. Because wealth is required to provide the foundation and a computing power to allow researchers to really test their ideas. One the greatness of University of Toronto is that not only it has the wealth, but also it has SAVI a really great tool that allows researchers to really test their ideas on real infrastructure. Moreover it has rich faculty members. At our university we're actually using the text books written by professors at University of Toronto as a reference text book for some our courses.

For career, I have not currently decided to whether continue my studies to Phd or join the workforce. I think this program will help me alot to determine the path for my future. Currently, I'm really interested in the fields of Computer Networking and especially IoT and SDN, however I'm not sure to what extent I'm willing to continue my research but I know that I like to continue my graduate studies at least for MSc.

I believe my grades (3.78 / 4), my work experience and huge dedication to open source projects distinguishes me from others. I have been in the industry and I know their challanges so I can better provide solutions that both help academics grow and also help the industry grow. Moreover, I have been in the room. I was teaching assistant of 3 professors and I have worked with 2 professors closely at my university. Finally, I have also already worked with SAVI and I know the challenges that we're currently facing.

Yours faithfully,

Iman Tabrizian

Attached: curriculum vitæ