

To whom it may concern,

Studying Electrical Engineering at the University of Tehran gave me the opportunity to work alongside Computer Scientists, whilst pursuing my major in Communication Systems. As long as I can remember I shared a passion for programming, that's why I decided to participate in a Computer Eng. minor program which in advance broadened my fields of expertise. This dual degree participation somehow led me to a whole new world, the everchanging Artificial Intelligence field.

As the time approached for me to set my personal and professional goals, I made a conscientious decision to enter a field which would provide me with a sense of achievement and, at the same time, produce a positive impact on mankind. It became apparent to me that a career in communication and computer science would fulfill these objectives. In retrospect, my ever-growing commitment to this field has been crystallizing for years. My intense interest in programming and research seems particularly appropriate to this field and has prepared me well for such a critical choice at this juncture of my life.

The idea of creating something slightly as intelligent as human kind has always been intimidating, yet surprisingly interesting for me. In the spring of 2019, I started my very first AI based research experience in Secure Communication Lab at the UofT where the main projects are focused on Machine Vision and Image Processing. Following that year I started my summer internship at AVIR Co. which was recommended by one of my professors, during which I tried to construct a sign language translator using LSTM networks. Currently I am doing some research in Communication Network Lab at the UofT and our goal is to build a system to predict customer behavior through VPN tunneling.

Although I liked my classes, my internship experiences really confirmed my interest in Artificial Intelligence field. At EPFL Summer Internship, I hope to enroll in the Machine Learning program. In this program I hope to draw on my programming skills and theoretical background as a foundation for studying more advanced concepts. I am interested in researching the ties between the machine learning and communication systems. I also hope to be involved in some projects related to signal and image processing. I am particularly interested in the research programs of Prof. Pascal Frossard, Prof. Martin Jaggi and Prof. Micheal Gastpar.

This internship would be an excellent opportunity for me to continue to hone my skills in the field of AI/Communication. This will give me sought-after skills which will enable me to enhance my career. As an Electrical Engineer/Computer Scientist, this internship will give me the opportunity to network with others and generate new innovation in the field.

Sincerely,
Sajjad P. Savoji