To the admission committee

My name is Rollan Sharipov and I am a 4th year student of Nazarbayev University majoring in Computer Science. I am applying to Master of Science in Data Science program at Nazarbayev University. My research interest areas are: Artificial Intelligence, Software Engineering, Image Processing and Data Mining. I want to continue my study with expanding my knowledge and abilities in Data Science program, because it is a great opportunity to be an expert in both spheres such as Data Science and Computer Science.

During the spring semester of my last year of study, I registered for the course Image Processing, and when our professor Muhammed Demirci provided a list of topics for the course project I immediately chose topic, which was related with deep learning, because it was a great opportunity to study the principles of work of neural networks. Our project topic was feature selection using three different approaches, which are Contour, Skeleton and Deep Learning. During implementation of our model me and my partner learned from different sources how to train this model with large data, which were silhouette images of different objects with different form deformations. Furthermore, currently I am involved in Senior project supervised by Professor Aigerim Yessenbayeva, which related to Mobile and Web Application for Medical Records. I want to continue this research combining this study with Data Sciences, because this is a unique for the health market of Kazakhstan. Moreover, the master program in Data Science offers range of beneficial courses, such as Big Data Analytics and Statistical Analysis. Hopefully taking these courses will positively affect my future master thesis. My research topic for master thesis will be: The implementation of Classification Algorithms for the determination of the individual risks for health of the patient. Specifically, I would like to continue this research with professor Mark Sterling. Therefore, by all reasons above my skills and abilities in Computer Science will be applicable to Master program in Data Science.

After my 3rd year of study as a Computer Science student, I applied for summer internship in Digital Hub Eurasia company as a Back-end developer and it was coincided that our office of developer’s team was on the same floor with analytics department. My main responsibilities were: implementation of Chat Bot and also I was partially involved in projects of web and mobile applications development. Currently, from January 2019 I am working on a position of full-stack web developer at Astana Hub. Now I am involved in project, where me and my co-workers deal with the development of educational platform on business learning. I think my working experience in a field of Computer Science will positively affect my future study in the Master Program in Data Sciences.

One of the most important things I understood during my study in Computer Science department is always evolve and improve your skills despite any difficulties, which I think every CS student faces almost every day. Studying Data science is a new challenge for me and I want to face these difficulties to overcome them. Afterwards I hope that Master Program in Data Sciences will give me an opportunity to develop my skills as Data Analyst and Computer Scientist.

Kind regards

Rollan Sharipov