**To:**[nday@uwaterloo.ca](mailto:nday@uwaterloo.ca)

**Subject:** Prospective MMath student (Fall, 2020)

Dear Professor Day,

Hopefully this email will find you in good health. I, Satyaki Das, am looking for an MMath opportunity in Software Engineering research domain.

Currently, I am working as a Lecturer at the Department of Computer Science and Engineering in University of Liberal Arts Bangladesh (ULAB).

I obtained my bachelor degree in Software Engineering from Institute of Information Technology (IIT), University of Dhaka (DU). I completed the program with a Cumulative Grade Point Average (CGPA) of 3.91 out of 4.00 and stood second overall in my class. During my bachelors, I had the great opportunity to work with the IITDU Optimization Group. I worked on a couple of projects with this group and attended the research meetings with the seniors which instigated my hunger for research.

During the 2nd year of my bachelors I developed an Image Filtering software with C++. In this project, I applied various filters on an image file. During the 3rd year, I developed a web application where I automated an entire academic program. For my final academic project during bachelors, I developed “CLCDetector: A Web Application for Cross Language Code Clone Detection”.

I started my career as a Software Engineer in Samsung Research & Development Institute, Bangladesh (SRBD). Here I worked on a network device management project with Samsung Electronics’ network division in Suwon, Korea. The project helped me gather experience in working on large scale software development. Also, it helped me learn how to design large scale applications. I competed in ACM ICPC contests twice while also in one ACM NCPC contest.

My interest lies in pursuing the masters and doctoral programs in relevant domains as pertinent undergraduate and graduate level courses are essential for conducting cutting-edge research. **I have seen your homepage and the information you provided for prospective graduate students. When submitting my application, I will be including "formal methods" in the list of research interests and enlisting you as a "Requested Supervisor".** It would be a matter of pride for me if I could get an opportunity to study under your supervision for my MMath and hopefully my PhD in your esteemed university. I would like to start with MMath Program from Fall 2020.

In order to pursue higher studies I attended the GRE and IELTS tests where I obtained 315 and 7.5 respectively.

I am attaching my resume with this email. It would be very kind of you, if you could have a glance. If you are interested then I will also be able to send you my transcript from DU by November 5. I shall be eagerly waiting for your response. I am sure education and research under your supervision will help me further my career as an academician.

Thanks, and best regards.