

Tauseef Ibne Mamun

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407 Shelden Avenue, Apt 9,
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SUMMARY

Graduate student in Applied Cognitive Science and Human Factors at Michigan Technological University with a strong programming background and training in both computer science and psychology. Experience in human factors analysis and executing usability studies mainly in software and rail systems.

EDUCATION

Michigan Technological University | Houghton, MI
Ph.D. Applied Cognitive Science and Human Factors Expected May 2023

Michigan Technological University | Houghton, MI
MSc. Applied Cognitive Science and Human Factors 2019 – 2021

Ahsanullah University of Science & Technology | Dhaka, Bangladesh
BSc. Computer Science & Engineering 2011 – 2015

EXPERIENCES

Michigan Technological University, Cognitive and Learning Sciences | Houghton, MI
Research Assistant 2019 – Present

Tasks:

- Improving and designing **novel explanation methods** for AI systems.
- Developing computational models for Explainable Artificial Intelligence (**XAI**) systems.
- Behavioral analysis** of drivers in rail crossings through **statistical models and interviews**; also determining the **usability** of new systems in rail crossings.
 - ❖ Working/Worked with **Defense Advanced Research Projects Agency** and **Federal Railroad Administration** on different research projects.

Mighty Egg Technologies | 600 – 56 Temperance Street Toronto, ON M5H 3V5, Canada
Programmer Analyst 2015 – 2019

Tasks:

- Database Design & API development.
- Web and Mobile App Development.
- Analyzing Client Requirements.
- Software deployment in Amazon Web Service, Digital Ocean, Heroku.

Programming Expertise

Ruby, Python, C, C++, Java, PHP, R, PEBL

Git: [GitHub](#), [Bitbucket](#)

CO-CURRICULAR INVOLVEMENT

- President (Photography Department) at Notre Dame Nature Study Club 2009 – 2010
- General member at Ahsanullah University of Science & Technology's Computer Science & Engineering Society 2011 – 2013
- General Secretary at Ahsanullah University of Science & Technology's Computer Science & Engineering Society 2013 – 2014
- Vice President at Ahsanullah University of Science & Technology's Computer Science & Engineering Society 2014 – 2015
- Vice President at Bangladeshi Student Association at Michigan Technological University 2020 – 2021

INTERESTS

[Photography](#) | App Development | Video and Photo Editing