

# Md Reazul Islam

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## Education

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### Georgia State University

Atlanta, GA

*B.S. in Computer Science, Minor in Mathematics*

*August 2019 – May 2022*

CGPA: 3.97/4.30

Related Coursework: Data Structures, Design and Analysis of Algorithms, System Level Programming, Programming Language Concepts, Linear Algebra, Multivariate Calculus, Operating Systems, Data Mining, Machine Learning.

## Experience

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### NCR Corporation

Atlanta, GA

*Software Engineer Intern*

*May 2021 – August 2021*

- Digital Banking Division

### Department of Computer Science, Georgia State University

Atlanta, GA

*Undergraduate Teaching Assistant*

*August 2020 – May 2021*

- Graded assignments and quizzes for CSc 1302(Principles of Computer Science II)
- Held office hours to help students with object-oriented programming homework

*Undergraduate Research Assistant*

*September 2019 – December 2020*

- Assisted to build a complete and open-sourced live 360° video streaming prototype
- Collected and managed large volume of data from the prototype and created visualizations for the research paper

Publication:

Jun Yi, **Md Reazul Islam**, Shivang Aggarwal, Dimitrios Koutsonikolas, Y.Charlie Hu, Zhisheng Yan. “An Analysis of Delay in Live 360° Video Streaming Systems.” *In Proceedings of the 28th ACM International Conference on Multimedia*. 2020. <https://doi.org/10.1145/3394171.3413539>

## Projects

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### ReazDonor | *Python, Flask, HTML*

- Developed a full-stack web application using with Flask where donors can find and donate to organizations
- Implemented login functionality for donors and organizations and stored the information in SQLite database
- Implemented logic for contact page using GET and POST requests by sending automated emails for each message

### Lambda Calculus Interpreter | *Python, PLY*

- Developed a lexer and parser using PLY to tokenize and parse expressions
- Implemented alpha equivalence, beta-reduction, free-variable calculation and build syntax trees
- Used all functions to evaluate the trees and calculate the value of an expression

## Technical Skills

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**Languages:** Java, Python, C/C++, JavaScript, Scala, HTML/CSS, MATLAB, R

**Frameworks:** React, Node.js, Flask

**Developer Tools:** Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Libraries:** pandas, NumPy, Matplotlib

## Honors and Awards

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**BSTF Travel Award**, Bangladesh-Sweden Trust Fund

January 2020

**President's List**, Georgia State University

Spring & Fall 2020

**Campus Atlanta Scholarship**, Georgia State University

August 2020