

SADMAN KABIR

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EDUCATION

BOSTON UNIVERSITY

B.S, Computer Engineering

Boston, MA
Expected May, 2025

THE BRONX HIGH SCHOOL OF SCIENCE

High School Diploma

NY, NY
June, 2021

SKILLS

TECHNICAL: C++, C, MATLAB, Python, HTML, CSS, CAD, 3D Printing, Verilog, Unix

TOOLS: VS Code, CLion, PyCharm, IntelliJ Idea, Emacs, Vim, Ubuntu, OnShape, Xilinx Vivado, Excel, PyMongo, MongoDB, Flask, Jinja3, Bootstrap, Git

LANGUAGE(S): Can speak Bengali fluently, Can read/write/speak Japanese conversationally.

BEHAVIORAL: Responsibility delegation/management, team communication, time management, teaching ability.

WORK EXPERIENCE

Computer Science Teaching Assistant

Giant Machines (May 2023 – August 2023)

- Acted as teaching assistant for Citadel Externs during a three-week program sponsored by Citadel Securities.
- Instructed another 4 weeks for Bank of America Fintech Focus students and another 2 weeks for Mastercard's Girls4Tech technical interview Bootcamp.
- Taught and aided students in the python programming language, web development using HTML, CSS, Flask, MongoDB, and Bootstrap.
- During Mastercard's technical interview bootcamp, fostered good interview etiquette, taught essential algorithms, data structures and CS principles.
- Encouraged collaboration, teamwork, creative thinking and fostered good programming practices in our students.

RELEVANT COURSEWORK

- Calculus I, II, III, Differential Equations
- Physics I, II, Engineering Statics
- Linear Algebra
- Software Engineering, Algorithms and Data Structures
- Electric Circuits, Digital Logic Design

PROJECTS

- **Frontend of Automated Course Registration Application**
Designed and programmed the front-end of an application that registers students for classes in advance.
 - Written in Google Dart
 - Saves, loads and allows for deletion of user chosen courses.
 - Integrated with pure python backend to register users for classes ahead of time.
 - Github link (for code and DEMO): <https://github.com/corndog-overflow/courseRegProject>
- **Pokémon Challengers: VICTORY ROAD**
A video game run in terminal focusing on demonstrating master of OOP principles.
 - Written in C++
 - Heavily utilizes OOP principles
 - Github Link: <https://github.com/corndog-overflow/Pokemon-Challengers-VICTORY-ROAD>
- **Personal Website**
A personal website containing information about myself, contact info and my resume.
 - Written in HTML, CSS and JavaScript
 - Github link: <https://github.com/corndog-overflow>

INVOLVEMENT

- **Boston University Mars Rover Club (Fall 2022 -)**
 - Member of the Control Systems sub team, focusing on programming robotic arm behavior with ROS2 and Moveit 2
- **Boston University Gardening Club (Spring 2022 -)**
- **Liquid Fun BU (Spring 2021 -)**
 - Liquid Fun is Boston University's Improv Comedy Club