Masum Ahmed

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EDUCATION

City University of New York, Hunter College Computer Science, BA   🏛 Degree Sep 2023
- **Relevant Courses:** Data Structures, Algorithms, Data Science, Web Development, Computer Theory, Operating Systems, Computer Architecture, Creative Code, Calculus II, Matrix Algebra, and Statistics

EXTRACURRICULAR

City University of New York, Hunter College, Media Board Co-Chair   Aug 2020 - May 2022
- Demonstrated effective leadership as the overseer of media board activities, successfully engaging a student base of over 1,000.
- Exercised meticulous financial management skills in handling a budget exceeding $24,000, ensuring strict adherence to financial policies and responsible allocation of resources.
- Led the evaluation process to determine student publications eligible for funding, facilitating equitable distribution and promoting the growth of campus publications.

City University of New York, Hunter College, Hunted Hero Comics President   Aug 2020 - May 2023
- Demonstrated effective leadership and oversight of student comic publication concerning activities, events, budget, and publication.
- Processed purchase orders for student events and contributed to financial accountability by accurately filing purchase orders within budget constraints.

EXPERIENCE

All Star Code Teaching Assistant   Jun 2019 - Aug 2019
- Captivated student attention and fostered comprehension by leading lectures with a focus on clarity and engagement while maintaining student attention.
- Personalized one-on-one support to students, re-articulating complex abstract concepts and resolving misunderstandings.
- Strategically revised curriculum to align the cohort's unique dynamics, ensuring optimal synergy with the learning materials and student needs.

Macquarie Group Intern   July 2016 - Aug 2016
- Produced internal intern's promotional video by scripting, scheduling, recording, and editing with limited resources
- Analyzed feedback from customer forms and suggested solutions to management to better meet customer satisfaction goals

PROJECTS

File System, Computer Science Capstone
- Implemented a mock file system using OS design principles in C++ and stored data using a simulated FAT32 volume
- Provided a simple API for creating, reading, and deleting files
- Grade received: A+

Link Locker, Personal Project
- Implemented a web application that encodes and decodes URLs with a given password utilizing NodeJS, and ExpressJS

IRL Dailies, Personal Project
- Fullstack to-do list application implemented with MongoDB, Express, React, Tailwind and NodeJS
- Share your to-do list with friends and keep track of your productivity metrics

SKILLS

Computer Languages	HTML/XML/JSX, CSS/SCSS, JavaScript/TypeScript, Python, SQL, C/C++, C#, and GDScript
Libraries/Frameworks	React, React Native, Express, jQuery, Tailwind, SciPy, SeaBorn, and Scikit-Learn
Technologies	Node, Bash, Docker, Git, MongoDB, Postman, JupyterLabs, PostgreSQL, and Godot
DevOps	Heroku, Agile workflow, integration testing, unit testing, OOP, and Trello
Communications	LaTeX, Markdown, Microsoft Excel, Photoshop, Illustrator, and InDesign