Mohammed Tasnimul Chowdhury

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Education

City University Of New York, Queens College — Flushing, NY

B.S in Computer Science — Senior — Dean's List — GPA: 3.5/4.0 — *Aug 2018 – May 2022*

Relevant Coursework: Data Structures and Algorithms, Object Oriented C++ and Java, Software Engineering, Operating Systems

Technical Skills

Programming: Java, C++, JavaScript, HTML, CSS, Python, SQL (PostgreSQL), CQL (Cassandra)

Tools/Frameworks: Git, Linux, Android Studio, Bootstrap, Apache: Camel, Kafka, log4j, BeanIO

Experience

Software Engineer Intern — Jun 2021 – Aug 2021

American Express Co. — *NYC, NY*

- Worked on the Global Merchant Services team to process payment data from merchants.
- Developed and Deployed payment rescheduling feature for the payment API into production.
- Created a payment file parser to extract and send payment information into database to be stored and retrieved.
- Utilized the Apache frameworks such as Kafka, Camel, Cassandra, as well as BeanIO and log4j for Java.

Software Engineer Fellow — Jan 2021 – Feb 2021

New York Jobs CEO Council — *NYC, NY*

- Learned to build Web Applications using HTML, CSS, JavaScript.
- Developed a database from scratch, using SQL / PostgreSQL.
- Introduced to Python programming and Cloud Computing.

Software Engineer Intern – Virtual Experience — Sep 2020 – Dec 2020

JPMorgan Chase & Co. — *Remote*

- Built a stock market data visualization tool using Python and Typescript for traders.
- Fixed broken client data feed script and adjusted the broken typescript files in repository to make the web application behave in the expected manner.

Software Engineer Fellow — Feb 2020 – Mar 2020

Codepath Inc. — *Remote*

- Highly selective Android mobile app design fellowship for mobile app design and development
- Learned about Debugging, Saving Data using the Room Persistence library, Animations, and Styling.

Software Engineer – Freelance — Dec 2019 – Feb 2020

Tech Incubator at Queens College — *Flushing, NY*

- Collaborated with a Historian / Researcher to develop and deploy an Android app to teach students about historical events that reinforces the students' knowledge on the assigned readings, impacting over 100 students.
- Learned how to use version control using Git and GitHub on Linux. Used Java, Android Studio, Git, GitHub.

Projects

Free Input Polynomial Calculator | Android App | *Demo* — Nov 2020 – Dec 2020

- Developed a Android app using Java that parses two input polynomials and calculates its sum, difference, and product by utilizing linked lists. Improves student productivity by accelerating calculation process

StudyMe | Android App | *Demo* — Feb 2020 – Mar 2020

- Developed a flashcard app using Java, Android studio and Room Persistence library for data storage

C++ Projects | Console App | *Demo* — Feb 2019 – May 2019

- Projects done in OOP C++ course include: N-Queens, K-Bishop, Shortest Path, Towers of Hanoi, Score the Race.

Leadership and Awards

Secretary of Cyber Security Club   **National Society of Leadership and Success Member**