

Samee Chowdhury

416-997-9768 | s2chowdhury@torontomu.ca | [Website](#)

Hi,

My name is Samee Chowdhury, a full-time fourth year co-op student attending Toronto Metropolitan University under the computer science program. I have a passion for web, and mobile development.

In terms of my qualifications for the position, I have experience at 3 internships with a focus on web development. My first internship I developed MVP web apps for startup companies in the pursuit to gain funding using Vue.js and Firebase. Developing the web app [Tenamint](#) we were successful in gaining the company funding. The second internship at [GetQuorum](#) dealt with a condo voting regulation platform where I took a fullstack role in developing their backend routes and updating the frontend UI with Node.js, SQL and AWS. Lastly, and most recently I worked at [Publicis Sapient](#), a consulting company. I worked on a leading telecommunication company's solution and took the lead developing a web app that reduced call center traffic and offshored the load to the website. The tech stack consisted of Java spring boot for our REST api service, SQL, cloudrun and React.

Aside from work experience, I have participated in numerous hackathons and have recently achieved first place for a web app my team and I developed for Guelph's hackathon ([GryphHacks](#)) with the goal of reducing period poverty for women in Toronto. As of recently I have been working as a part time web developer for my University's newspaper team and am learning WebGL as a side hobby to make games.

Additional details on my projects, and skills can be seen on my resume and github. For further information please feel free to reach out via email. I hope you consider my application and I look forward to speaking with you soon. Thank you for taking the time to provide this opportunity for me.

Sincerely,

Samee Chowdhury

Samee Chowdhury

416-997-9768 | oceansam101@gmail.com | [linkedin.com/in/samee-chowdhury](https://www.linkedin.com/in/samee-chowdhury) | github.com/oceansam

EDUCATION

Toronto Metropolitan University (Formerly Ryerson University)

Sep 2019 - May 2024

Computer Science CO-OP (B.Sc)

CGPA: 4.17/4.33

EXPERIENCE

Software Developer Intern

May 2023 - Present

RBC

Toronto, ON

- Created the Polaris API for RBC One to provide dataset access to clients and internal departments, eliminating the need for manual email requests.
- Improved server-side pagination performance by implementing keyset pagination, resulting in reduced large offset queries and faster API response time.

Software Development Engineer Intern

Jun 2022 - Aug 2022

Publicis Sapient

Toronto, ON

- Integrated a chatbot using Typescript, React, and Java Spring Boot to automate and reduce live customer support inquiry loads by 30%.
- Developed a text intent detection microservice with Java Spring Boot to categorize end-user requests and provide suggested actions.
- Enhanced accessibility by adding text-to-speech workflow to provide support for users with visual impairment.

Software Engineer Intern

Sep 2021 - Jan 2022

GetQuorum

Remote

- Developed a user-friendly condo owner dashboard using Vue.js, Javascript, SQL and Express.js, facilitating data visualization of voting metrics.
- Added a self-service flow for users to update sensitive information, leveraging JWTs for authentication and bcrypt encryption for data protection.
- Implemented a relational entity that integrates role-based access control, SQL schemas, and CRUD endpoints for user management.

Frontend Engineer Intern

May 2021 - Aug 2021

Global Creative Technology

Waterloo, ON

- Collaborated with 3 engineers to build Tenamint, a digital card collection app using TypeScript, Vue.js and Firebase. Pitched the MVP to investors, securing \$60,000 in funding.
- Automated CI/CD pipeline for frontend UI and e2e testing using Cypress, Jest and Github actions.
- Implemented caching for large data queries to reduce redundant requests and optimize load times.

PROJECTS

Her Needs | *Vue.js, Typescript, Firebase, Google Cloud*

Github

- Led development in a full-stack web app with an interactive map to locate free menstrual products in public washrooms.
- Utilized the google maps api to dynamically generate markers based on geospatial data stored in firestore.
- Achieved 1st place overall at GryphHacks.

Smart Pot | *C++, Flask, Typescript, Express, Vue*

Github

- Built a plant metric tracker that transmits data from an Arduino using socket Io to a python server which updates the website and sends warnings on discord in real time.
- Achieved top 25 at RuHacks.

TMU Explorer | *Typescript, Three.js, React, Blender – WIP*

Demo

- Created a 3D replica of the Toronto Metropolitan University campus using blender, for new students to explore.
- Modeled buildings to scale and added camera animations to tween between building locations.

TECHNICAL SKILLS

Languages: Typescript, Python, Java, SQL, C, HTML/CSS, C++

Frameworks: React, Node.js, Nest.js, Angular, Vue, Next.js, Java Springboot, Jest, React-Native/Expo

Developer Tools: Git, Google cloud, Docker, MongoDB, Jenkins, AWS, Firebase, Unity, Unix/Linux

Undergraduate

Name: Samee Chowdhury
 Student ID: 500965772
 OEN: 439085739

Print Date: 01/01/2023
 Birthdate: 05/16/2001

Academic Program History

Program: Computer Science
 07/20/2019: Active in Program

COMPUTER SCIENCE Major

Program: Computer Science
 01/07/2021: Active in Program

COMPUTER SCIENCE CO-OPERATIVE PROGRAM
Major

Beginning of Undergraduate Record

Fall 2019

Session: Undergraduate Regular

| Course | Description | Attempted | Earned | Grade | Points |
|---------|-------------------------|-----------|--------|-------|--------|
| CPS 109 | Computer Science I | 1.000 | 1.000 | B | 3.000 |
| CPS 213 | Computer Organization I | 1.000 | 1.000 | A- | 3.670 |
| MTH 110 | Discrete Mathematics I | 1.000 | 1.000 | A- | 3.670 |
| PCS 110 | Physics | 1.000 | 1.000 | C | 2.000 |
| PHL 214 | Critical Thinking I | 1.000 | 1.000 | B- | 2.670 |

| | Attempted | Earned | GPA Units | Points |
|-----------------------------------|-----------|--------|-----------|--------|
| Term GPA 3.000 Term Totals | 5.000 | 5.000 | 5.000 | 15.010 |
| Transfer Term GPA Transfer Totals | 0.000 | 0.000 | 0.000 | 0.000 |
| Combined GPA 3.000 Comb Totals | 5.000 | 5.000 | 5.000 | 15.010 |

Academic Standing Effective 12/19/2019: Academic Standing: Clear

Winter 2020

Session: Undergraduate Regular

| Course | Description | Attempted | Earned | Grade | Points |
|---------|--------------------------------|-----------|--------|-------|--------|
| CPS 209 | Computer Science II | 1.000 | 1.000 | A+ | 4.330 |
| CPS 310 | Computer Organization II | 1.000 | 1.000 | A | 4.000 |
| CPS 412 | Soc Issues, Ethics and Profess | 1.000 | 1.000 | A+ | 4.330 |
| MTH 207 | Calc and Computatnl Methods I | 1.000 | 1.000 | A+ | 4.330 |
| MUS 201 | Intro to Classical Music | 1.000 | 1.000 | B | 3.000 |

| | Attempted | Earned | GPA Units | Points |
|-----------------------------------|-----------|--------|-----------|--------|
| Term GPA 4.000 Term Totals | 5.000 | 5.000 | 5.000 | 19.990 |
| Transfer Term GPA Transfer Totals | 0.000 | 0.000 | 0.000 | 0.000 |
| Combined GPA 4.000 Comb Totals | 5.000 | 5.000 | 5.000 | 19.990 |

Term Honor: Dean's List

Academic Standing Effective 05/13/2020: Academic Standing: Clear

Fall 2020

Session: Undergraduate Regular

| Course | Description | Attempted | Earned | Grade | Points |
|---------|-------------------------------|-----------|--------|-------|--------|
| CMN 300 | Comm in the Computer Industry | 1.000 | 1.000 | A | 4.000 |
| CPS 305 | Data Structures | 1.000 | 1.000 | A+ | 4.330 |
| CPS 393 | Introduction to C and UNIX | 1.000 | 1.000 | A+ | 4.330 |
| CPS 530 | Web Systems Development | 1.000 | 1.000 | A+ | 4.330 |
| MTH 108 | Linear Algebra | 1.000 | 1.000 | A+ | 4.330 |
| MTH 380 | Probability and Statistics I | 1.000 | 1.000 | A | 4.000 |

| | Attempted | Earned | GPA Units | Points |
|-----------------------------------|-----------|--------|-----------|--------|
| Term GPA 4.220 Term Totals | 6.000 | 6.000 | 6.000 | 25.320 |
| Transfer Term GPA Transfer Totals | 0.000 | 0.000 | 0.000 | 0.000 |
| Combined GPA 4.220 Comb Totals | 6.000 | 6.000 | 6.000 | 25.320 |

Academic Standing Effective 01/11/2021: Academic Standing: Clear

Winter 2021

Session: Undergraduate Regular

| Course | Description | Attempted | Earned | Grade | Points |
|---------|-------------------------------|-----------|--------|-------|--------|
| CPS 406 | Intro to Software Engineering | 1.000 | 1.000 | A | 4.000 |
| CPS 420 | Discrete Structures | 1.000 | 1.000 | A+ | 4.330 |
| CPS 506 | Comparative Prog Languages | 1.000 | 1.000 | A+ | 4.330 |
| CPS 590 | Operating Systems I | 1.000 | 1.000 | A | 4.000 |
| CPS 847 | Software Tools for Startups | 1.000 | 1.000 | A | 4.000 |

| | Attempted | Earned | GPA Units | Points |
|-----------------------------------|-----------|--------|-----------|--------|
| Term GPA 4.130 Term Totals | 5.000 | 5.000 | 5.000 | 20.660 |
| Transfer Term GPA Transfer Totals | 0.000 | 0.000 | 0.000 | 0.000 |
| Combined GPA 4.130 Comb Totals | 5.000 | 5.000 | 5.000 | 20.660 |

Term Honor: Dean's List

Academic Standing Effective 05/10/2021: Academic Standing: Clear

Undergraduate

Name: Samee Chowdhury
 Student ID: 500965772
 OEN: 439085739

Spring/Summer 2021

Session: Spring - Regular

| Course | Description | Attempted | Earned | Grade | Points |
|----------|---------------------------|-----------|--------|-------|--------|
| CPCS 181 | Introduction to Astronomy | 1.000 | 1.000 | A | 4.000 |

Session: Undergraduate Regular

| Course | Description | Attempted | Earned | Grade | Points |
|---------|-------------|-----------|--------|-------|--------|
| WKT 103 | Work Term I | 0.000 | 0.000 | PSD | 0.000 |

| | | Attempted | Earned | GPA Units | Points |
|-------------------|-------|-----------------|--------|-----------|--------|
| Term GPA | 4.000 | Term Totals | 1.000 | 1.000 | 4.000 |
| Transfer Term GPA | | Transfer Totals | 0.000 | 0.000 | 0.000 |
| Combined GPA | 4.000 | Comb Totals | 1.000 | 1.000 | 4.000 |

Academic Standing Effective 08/24/2021: Academic Standing: Clear

Fall 2021

Session: Undergraduate Regular

| Course | Description | Attempted | Earned | Grade | Points |
|---------|--------------|-----------|--------|-------|--------|
| WKT 203 | Work Term II | 0.000 | 0.000 | PSD | 0.000 |

| | | Attempted | Earned | GPA Units | Points |
|-------------------|-------|-----------------|--------|-----------|--------|
| Term GPA | 0.000 | Term Totals | 0.000 | 0.000 | 0.000 |
| Transfer Term GPA | | Transfer Totals | 0.000 | 0.000 | 0.000 |
| Combined GPA | 0.000 | Comb Totals | 0.000 | 0.000 | 0.000 |

Winter 2022

Session: Undergraduate Regular

| Course | Description | Attempted | Earned | Grade | Points |
|---------|--------------------------------|-----------|--------|-------|--------|
| CHY 583 | Alternative Energies | 1.000 | 1.000 | A+ | 4.330 |
| CMN 288 | Communication and Social Media | 1.000 | 1.000 | A+ | 4.330 |
| CPS 616 | Algorithms | 1.000 | 1.000 | A | 4.000 |
| CPS 706 | Computer Networks I | 1.000 | 1.000 | A- | 3.670 |
| CPS 870 | Applied Natural Lang. Process. | 1.000 | 1.000 | A- | 3.670 |

| | | Attempted | Earned | GPA Units | Points |
|-------------------|-------|-----------------|--------|-----------|--------|
| Term GPA | 4.000 | Term Totals | 5.000 | 5.000 | 20.000 |
| Transfer Term GPA | | Transfer Totals | 0.000 | 0.000 | 0.000 |
| Combined GPA | 4.000 | Comb Totals | 5.000 | 5.000 | 20.000 |

Academic Standing Effective 05/04/2022: Academic Standing: Clear

Spring/Summer 2022

Session: Undergraduate Regular

| Course | Description | Attempted | Earned | Grade | Points |
|---------|--------------------------------|-----------|--------|-------|--------|
| WKT 303 | Work Term III Computer Science | 0.000 | 0.000 | PSD | 0.000 |

| | | Attempted | Earned | GPA Units | Points |
|-------------------|-------|-----------------|--------|-----------|--------|
| Term GPA | 0.000 | Term Totals | 0.000 | 0.000 | 0.000 |
| Transfer Term GPA | | Transfer Totals | 0.000 | 0.000 | 0.000 |
| Combined GPA | 0.000 | Comb Totals | 0.000 | 0.000 | 0.000 |

Fall 2022

Session: Undergraduate Regular

| Course | Description | Attempted | Earned | Grade | Points |
|---------|---------------------------|-----------|--------|-------|--------|
| CPS 510 | Database Systems I | 1.000 | 0.000 | | 0.000 |
| CPS 511 | Computer Graphics | 1.000 | 0.000 | | 0.000 |
| CPS 633 | Computer Security | 1.000 | 0.000 | | 0.000 |
| CPS 721 | Artificial Intelligence I | 1.000 | 0.000 | | 0.000 |
| GEO 793 | The Geography of Toronto | 1.000 | 0.000 | | 0.000 |

| | | Attempted | Earned | GPA Units | Points |
|-------------------|-------|-----------------|--------|-----------|--------|
| Term GPA | 0.000 | Term Totals | 5.000 | 0.000 | 0.000 |
| Transfer Term GPA | | Transfer Totals | 0.000 | 0.000 | 0.000 |
| Combined GPA | 0.000 | Comb Totals | 5.000 | 0.000 | 0.000 |

| | | | | | |
|-----------------------------|-------|-----------------|--------|--------|---------|
| Undergraduate Career Totals | | | | | |
| Cum GPA: | 3.890 | Cum Totals | 32.000 | 27.000 | 104.980 |
| Transfer Cum GPA | | Transfer Totals | 0.000 | 0.000 | 0.000 |
| Combined Cum GPA | 3.890 | Comb Totals | 32.000 | 27.000 | 104.980 |

End of Undergraduate