

SATRAJIT CHATTERJEE

Computer Science And Mathematics Dual Major Student

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EDUCATION

Joint Honours BSc in Computer Science and Mathematics

University Of Ottawa 🎓 CGPA: 9.15 (Equivalent to 4.0 GPA)

📅 September 2019 - April 2023 (Expected)

WORK EXPERIENCE

Full-Stack Software Developer

uOttawa Engineering Outreach

📅 May 2020 – Present 📍 Ottawa, Canada

- Programmed in front-end development using Angular, and back-end in Java (Maven), as well as writing database queries and utility components including unit tests and automated tests.
- Developed management skills by working in an agile environment, discussing and collaborating with a team.
- Worked as a full-time COOP position for 8 months, and part-time for 4 months.

Academic Vice President

Computer Science Student Association

📅 Nov 2019 – Present 📍 Ottawa, Canada

- Planned and organized academic events targeted towards Computer Science students.
- Attended and contributed to round-table meetings concerning academic issues at the university.

Tutoring High-School Students

Self-Employed

📅 August 2017 – June 2019 📍 Montreal & Markham, Canada

- Tutored high-school students in mathematics, science, and computer science with visible improvement in their skills and grades.

PROJECTS

G3PO - Genetic Code Analysis

- Developed a Python software utilizing Machine Learning to analyze genetic code and form medical predictions.
- Demonstrated applications in predicting similarities of genome samples, along with mapping related symptoms in a host.

Reconattendance - Facial Recognition And Rapid Image Processing

- Built a Java-based Automated Attendance System using an original facial recognition algorithm.
- Connected the developed algorithm to a DJI drone for further experimental applications.

KaratAI - Karate And Fitness Trainer

- Created a fitness web-app in Node and Express with posture recognition with OpenCV on a Python backend.
- Designed an original algorithm to process video at a rapid pace.

SUMMARY

Versatile and balanced with International Baccalaureate education from Sweden and Canada.

Possessing leadership and teamwork skills, with a constant eagerness and motivation to learn and improve.

TECHNICAL SKILLS

Programming Languages

Java Python C++ Go Node
Angular Typescript SCSS Javascript
SQL Ruby

Programming Tools

Git Zenhub Trello Linux/Bash
AWS LaTeX Travis-CI Docker

Programming concepts

Agile Machine Learning Blockchain
Data Structures GUI/UI/UX

SOFT SKILLS

Public Speaking

- President of the high-school **Debate Club** and member of university debate club.

Analytical Thinking

- Co-president of the Bur Oak **Mock Trial Club**.

Time Management

- Handled responsibility of projects and tasks using **Agile, Zenhub** and **Trello**.

ACHIEVEMENTS

University of Ottawa Chancellor's Scholarship

- uOttawa Faculty Of Engineering, 2019

Department Of Computer Science Award

- Bur Oak Secondary School, 2019

McGill Science Award

- McGill University, 2019

Faculty of Computer Sciences And Programming Award

- Concordia Science Fair, 2018

SPOKEN LANGUAGES

English
French



OTHER INTERESTS

Badminton Chess Art Astronomy