

# 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