

# Sooraj Modi

Guelph, ON · 4165783008 · soorajmodi@hotmail.com  
<https://github.com/SoorajModi> · <https://www.linkedin.com/in/soorajmodi/>

## SKILLS

- Web Development, including Node.js, Express.js, React.js, MongoDB, and more.
- Java Development using Spring.
- Functional Programming with Elixir and Phoenix.
- C/C++ Programming.
- Version Control Systems including Git.
- Python Development and Data Science.
- Legacy Languages including Ada, Fortran, and Cobol.

## EXPERIENCE

**MAY 2020 – AUGUST 2020**

**UNDERGRADUATE RESEARCH ASSISTANT (URA), UNIVERSITY OF GUELPH**

- Research regarding Post-Secondary Education retention and graduation for vulnerable populations.
- Developed statistical models, calculations, and graphs using Jupyter Notebooks and libraries such as NumPy, SciPy, Plotly, and more.
- Conducted literature reviews and collected data on Post-Secondary Education retention.

**MAY 2019 – AUGUST 2019**

**STUDENT SOFTWARE DEVELOPER, BELL**

- Member of the Unified Communications team to modernize Bell's MMS platform.
- Java based backend development using the Spring Framework.
- Domain Driven Design approach to software design.
- Test-driven development with high code coverage including unit testing using Junit, integration tests, and end-to-end testing.
- Designing and programming a rate limiting algorithm.

**MAY 2018 – AUGUST 2018**

**STUDENT SOFTWARE DEVELOPER, BELL**

- Member of the Internet of Things development team to help program Bell's Smart City Project.
- Backend web development using Node.js.
- Utilized agile methodologies by attending daily stand-ups, sprint planning, demos, retrospectives, and backlog grooming with the team.
- Collaborated with the development team to develop features and functionality for the Smart City Project based on customer feedback in a test-driven approach.
- Consolidated information discussed by the team into Confluence and Trello.
- Used version control systems such as GitHub and GitLab.

**SEPT 2020 – PRESENT**

**UNDERGRADUATE TEACHING ASSISTANT (UTA), UNIVERSITY OF GUELPH**

- UTA for undergraduate computing courses including Data Structures in Computing, Object Oriented Programming, Introduction to Programming.
- Designed and facilitated lab activities to teach core course concepts.
- Developed test harnesses for assignments using JUnit.
- Monitored and responded to emails.
- Taught fundamental programming concepts.
- Aided students with debugging and problem solving.

## **EDUCATION**

**SEPT 2016 – PRESENT**

**BACHELOR OF COMPUTING, UNIVERSITY OF GUELPH**

- Honours Computer Science with a minor in History.

## **VOLUNTEERING**

**OCTOBER 2018 – PRESENT**

**STUDENT SENATOR, UNIVERSITY OF GUELPH**

- Bachelor of Computing Representative for the University of Guelph Senate.
- Co-chair of Student Senate Caucus.
- Evaluated, provided feedback, and voted on new policies.
- Held a seat on the Compulsory Fees Committee, Board of Undergraduate Studies Committee, and the Senate Research Board.
- Attended Student Leaders and Admin Meetings and Student Executive Council meetings to advocate for student interests.

**MAY 2020 – PRESENT**

**DIRECTOR, CENTRAL STUDENT ASSOCIATION**

- Student Senate Caucus representative on the University of Guelph Central Student Association's Board of Directors.
- Represented and advocated for student interest.
- Held a seat on the Finance Committee, Capacity, Analysis, and Planning Committee, Standing Referendum Committee, and alternate member to the University Centre Committee.

**MAY 2019 – MAY 2020**

**PRESIDENT, SOCIETY OF COMPUTING AND INFORMATION SCIENCE**

- Acted as a chair for general and governance meetings.
- Represented Society of Computing and Information Sciences at the School of Computer Science Council Meetings.
- Advocated for students and issues within the School of Computer Science.
- Led collaborations with other clubs at the University of Guelph.
- Planned and organized events for students to partake in.
- Oversaw budgets and financial decisions relating to the club.