

SONIA CUI

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Skills

- **Languages/Frameworks:** Java, Kotlin, C, C++, SQL, JavaScript, HTML, CSS, Bootstrap, Bash, JSP
- **Tools:** Git, Cucumber, JUnit, Docker, Jenkins, Putty, Microsoft Office

Work Experience

SOFTWARE DEVELOPER

Jan. 2020 - Apr. 2020

Infor Global Solutions

- Developed a software service which allows clients to customize features from Infor's web application for increased user flexibility using **Java, SQL**
- Fixed various bugs in our scheduling software with debugging tools in **Kotlin, Javascript**
- Designed **JUnit** and **Cucumber** tests to automate the validation of new and existing features
- Collaborated with an **Agile** team and hosted biweekly retrospective meetings

JR. PROGRAMMER

May 2019 - Aug. 2019

Ontario Ministry of Youth & Social Services

- Created a responsive website for our team with a navigable UI using **Bootstrap, HTML, and CSS**
- Restructured and automated the developer dashboard using **JSP and XML**
- Implemented **Bash scripts** to organize server files which run weekly in company's automated system

Projects

[Teaching App](#)

- Developed interactive music theory teaching software using **Java**
- Designed an intuitive GUI with original audio and visuals
- Utilized the **SDLC** as an integral guideline to planning and developing the program

[Snake](#)

- Implemented a classic game using **object oriented programming** and **Java**
- Incorporated high score system and animated visual instructions
- Handled images and audio as well as mouse and keyboard inputs

[To-do List App](#)

- Created a **Java** app that organizes user tasks with a navigable GUI
- Applied **object oriented programming** to abstract and consolidate code

Volunteer Experience

PROGRAMMING & BUILD

Sep. 2016 - Jun. 2018

FRC Robotics Team: 5428 Breaking Bots

- Programmed robot movement, connected the unit to our camera feed and control system using **C++**
- Acquired sponsorships and lead local STEM outreach activities to inspire youth in the community

Education

UNIVERSITY OF WATERLOO

Sept. 2018 - Apr. 2023

Bachelor of Computer Science, Honours Computer Science