

# Stefan de Lasa

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## EDUCATION

Faculty of Applied Science & Eng., BASc - Computer Engineering, University of Toronto, 2020-2025.  
Seasonal GPA: 4.0 / 4.0, Cumulative GPA: 3.81 / 4.0, Dean's Honour List.

## SKILLS

Programming Languages: C++, C, Python, MATLAB, Javascript, Typescript, React, ARM Assembly  
Programming Tools: Git, VSCode, IntelliJ, Jira, Bitbucket, Jenkins, Cypress  
Hardware Tools: Verilog, Multisim, ModelSim, Altium, Typhoon

## WORK EXPERIENCE

**Software Engineer Intern, PointClickCare (PCC)** May - Aug 2022, Toronto, ON

PCC creates healthcare software solutions to assist vulnerable populations with out-of-hospital care.

- Migrated the US "Care Insights" application to Canadian markets.
  - Configured a backend **Spring Boot** controller to determine session permissions via API calls. Permissions were then used across different application workflows (e.g., exposing links, etc.)
- Worked in a 10 person **Agile development** team on a suite of applications for nursing facilities.
  - Used **React** and **Typescript** to develop front-end features to ease creation/modification of patient screening templates. Several internal users mentioned improved usability from this work.
  - To improve patient screening template effectiveness, I extracted session information about which end-user workflow suggestions were followed or ignored. I then sent this information to PCC's Pendo analytics system for subsequent analysis and template refinement.
  - Used **Cypress** and **Kotlin** to write service-level and unit tests to catch regressions and ensure front-end UI and data pipeline integrity.

**Meter Data Management Intern, Independent Electricity System Operator** Jun - Aug 2021, Toronto, ON

As the Crown corporation responsible for operating/directing the electricity market in Ontario, the IESO gathers and monitors data from industrial customers throughout the province.

- Leveraged my technical knowledge to propose and conduct research into how **machine learning** could be used to improve existing processes.
- Highlighted benefits of supervised learning to detect data anomalies using IESO's historical datasets.
- Worked with peers to review Meter Service Provider data, ensuring correctness of meter billing reports.

## PROJECTS

**Radio Transceiver** Jan - April 2022 - [Link to Pictures](#)

As part of my 2nd year Hardware Design class (ECE295), I worked on a Team of 3 students to design, build and test two radio transceiver (transmitter + receiver) components. Specific contributions included,

- Used **Altium** and **Multisim** to design the limiter, filter, mixer, and amplifier radio receiver circuits.
- Demonstrated successful integration of our subcircuits into a functioning radio receiver.
- Communicated the team's design to technical and non-technical audiences through presentations

## OTHER

Citizenship: Canadian and American

Languages: English (Native Proficiency), French (Native Proficiency), Polish (Beginner)