Toronto, Canada
github.com/chrislessard

CHRISTIAN LESSARD

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EMPLOYMENT

Software Engineer	**Red Hat Canada**	**May 2017 - August 2018**

OpenShift.io
- Made upwards of 40 open source contributions to fabric8-ui, the project's frontend, half of which closed issues that had been unsolved or undocumented for upwards of a year.
- Independently implemented a new user settings page that was included in the project's presentation at Red Hat Summit 2018.
- Helped introduce better component design practices and increased their usage through the code base, improving code reusability, separation of concerns and ease of testing.
- Extended code coverage with component tests that had not previously existed.

Thermostat
- Quickly acquired new skills necessary to make contributions within the first two weeks of joining the project.
- Extended test coverage for Thermostat, applied OOP concepts to generalize test suites and streamline test writing.

Teaching Assistant	**University of Toronto**	**Four Semesters, 2016-2019**

Department of Computer Science Help Center
- Developed problem solving strategies for 1st 2nd and 3rd year students, teaching the fundamentals of programming, version control, data structures, algorithms, and discreet mathematics. Taught students how to approach abstract problem solving, improving their own independence in future work. Instruction in Python, Java, C, Bash, Git.

Software Engineer	**National Research Council**	**Summer 2016**

- Independently implemented a data scientist's abstract feature requests through the design of a new data processing application. Designed a Qt GUI to make the application more user friendly.
- Refactored the existing data preprocessing pipeline with use of Numpy, improving its speed by a factor of 75%.

EDUCATION

Toronto, ON	**University of Toronto**	**Sept. 2014 - April 2019**

- *Honours BSc., Specialist of Computer Science*, April 2019. GPA: 3.73
- Coursework included advanced studies in: Operating Systems; Relational Databases; Algorithms and Data Structures; Programming Languages and Compilers; Computer Networks.

TECHNICAL EXPERIENCE

Projects

- **TAPP** (2019). A FOSS web application facilitating the hiring and application procedures for Teaching Assistants, within the University of Toronto's Department of Computer Science. React & Redux, Ruby on Rails and Docker.
- **Hidato** (2017). Interpretation of logic game Hidato as a Constraint Satisfaction Problem. Python.

AWARDS

- **University of Toronto Deans List**, Years of 2014-2019.
- **Ms. FNG Starr Scholarship for Academic Excellence**, 2015 and 2017.

Languages, Technologies and Methodologies

- Python; C; Java; SQL; JavaScript, Typescript; Golang; Ruby; Bash
- Git, Github; Mercurial; Docker, Kubernetes; OSx, Linux (Arch); HTML/CSS; React, Redux; Bootstrap; Node; Object Oriented Programming, Functional Programming; Test Driven Development