PATRICK LEWERY HARRIS

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EDUCATION

University of Toronto — Toronto
H. BSc Computer Science Specialist & History Minor. — Class of 2020
Dean's List

EXPERIENCE

Department of Computer Science, University of Toronto — Toronto
Teaching Assistant — September 2019 — Present

- Teaching Assistant for CSC369 - Operating Systems

Ericsson — Ottawa
Indoor Radio Software Developer Co-op — April 2018 — August 2019

- Professional Experience Year Co-op.

- Developed embedded software for the Ericsson Radio Dot System as a part of an Agile team.

- Developed and maintained a test framework (Python) and custom test server (C++) to facilitate connection with the Radio Dot for automated testing. Performed code reviews for those developing tests that used the framework.

- Developed a custom embedded application for the Ericsson Indoor Radio Unit (C++) used for factory calibration and performance testing of the Radio Dot.

SKILLS

Programming Languages:	Python, C, C++, Java, Javascript, Verilog, Lisp
Tools & Misc.:	Git, SVN, pytest, JUnit, TravisCI, bash, tcsh, zsh, SQL, Make, Unix / Linux, Github, Gerrit, HTML/CSS, Latex, Jenkins

PROJECTS

Hoard Memory Allocator *C* — https://plh.io/projects/hoard
Implementation of a parallel memory allocator

psh *C* — https://github.com/patrickleweryharris/psh
A command line shell

Intersection *Verilog* — https://plh.io/projects/intersection
A miniature set of traffic lights controlled by a a DE1 FPGA and pressure sensors

Pintools *Python* — https://plh.io/projects/pintools
Suite of command line tools for managing Pinboard, a read it later service

Further projects available at https://plh.io/projects/