

Satchel French

Electrical & Computer Engineering Student / Web Developer

PERSONAL STATEMENT

I'm a passionate, quick learning engineering student with a strong admiration for efficiency and technologies with purpose.

Currently working in both analog & digital electronics, as well as software and web technologies.

SELECTED PROJECTS

Alexa Care

- Project Leader & Main Developer for team entry at Harvard's Hackathon
- A modern version of the patient call button & hospital efficiency management solution, centered around Amazon's Alexa Skills Kit.

Internet-Enabled Outlet

- An Internet of things (IoT) configured wall outlet. Consists of an internet configured microcontroller, controlling an electromechanical relay. Used to toggle household appliances via API endpoint.

OpenCloset

- A local marketplace for people to sell used goods or private services. Built in Django.

32 Bit CPU with MIPS

- Design Project for undergraduate computer hardware course. Consists of a complete 32 bit processor, using the MIPS instruction set, implemented in VHDL.

Function Generator

- An advanced undergraduate electronics design project, utilizing primarily Operational Amplifiers to create a variable frequency and amplitude function generator.

WORK & VOLUNTEER EXPERIENCE

Web Developer — Hanson Duby Law

July 2017

- Designed, developed and configured main website for Hanson Duby Personal Injury Law.

Best Buddies — Volunteer

September 2010 — June 2014

- Provided guidance for developed disabled and cognitively challenged students.
- Assisted in learning development, and event organization.

EDUCATION

- **Ryerson University (2014 - Present)**
B.Eng Electrical & Computer Engineering
- International Baccalaureate (2010 - 2014)
Computer Science Certificate
- St. John Paul II C.S.S. (2010 - 2014)
Ontario Secondary School Diploma

RECOGNITIONS



1st Place at HackuWeather Hackathon
(2016)



Valedictorian Award — St. John Paul II C.S.S.
(2014)



DECA Provincial Qualifier + Medalist
(2014)



St. John Paul II C.S.S. Varsity Hockey Captain
(2013- 2014)

SKILLS / TOOLS

Languages: C, VHDL, Verilog, Java, Python, Arduino, SQL, JavaScript, HC12 Assembly, MIPS, Ruby

Other technologies: Git, Django, React.js, jQuery, HTML, CSS, Express.js, Vue.js, Quartus, NI Multisim, Soldering

CONTACT INFORMATION

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