

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 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

- An online marketplace for consumer to consumer and used apparel. Built in Django and Vue.js.

3 Stage BJT Audio Amplifier

- Design Project for undergraduate electronics course. Utilizes 3 BJT's to amplify a given signal to meet design requirements.

Function Generator

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

WORK & VOLUNTEER EXPERIENCE

Hanson Duby Law — Web Developer

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, MATLAB

Other: Git, Django, React.js, Angular.js, jQuery, HTML5/CSS3, Express.js, Vue.js, MS Office Suite, Oscilloscopes, Power supplies, Soldering equipment, Digital & Analog Circuit Design, NI LabView Multisim

CONTACT INFORMATION

Email — frenchsatchel@gmail.com

Phone — (647) 283 9552

Website — satchelfrench.com

LinkedIn — [linkedin.com/in/satchelfrench](https://www.linkedin.com/in/satchelfrench)

Github — github.com/satchelfrench