

# RON FRIEDMAN

SOFTWARE ENGINEERING STUDENT | ECOLE DE TECHNOLOGIE SUPERIEURE  
(ETS) MR. RON.FRIEDMAN@GMAIL.COM  
514-970-9506

## OBJECTIVE

Serve position where I can use my outgoing personality and excellent multitasking, proficiency in problem-solving, programming and time-management skills to enhance software development and further develop my skills as a software developer.

## SKILLS

- Experienced programmer (multiple languages, including front-end & back-end)
- Proficiency with version-control software and administrative tools
- Proficient with different database structures and their associated tools (MongoDB, CassandraDB, MySQL)
- Experience with Windows & Linux-based server infrastructure management
- Experience with container orchestration tools (Docker, Kubernetes, Podman)
- Quick learner
- Experience in hypervisor platform management (ESXi, Proxmox)
- Fully bilingual
- Easily adaptable to required working environment
- Good attitude towards peers
- Excellent communicator

## EXPERIENCE

### JAN-2023 – PRESENT:

- o Part of LanETS student club at ETS.
- o Responsible for network infrastructure development & maintenance of existing hypervisor platforms (VMWare ESXi, Proxmox).
- o Participated in deployment of new server equipment and its related infrastructure.
- o Spearheaded deployment of new management tools and various utilities for the student club.
- o Assisted with various event-related duties during the event.

### MAY-2022 – DEC-2022:

- o Pursued an internship at Bell Canada.
- o Responsible for the development & maintenance of full-stack applications to track telecommunication equipment status (Perl, Python, Bash, MySQL, MongoDB, Docker, Kafka).
- o Implemented various new tools to help maintain existing telephone wireline network & next-gen fiber network.
- o Assisted in the installation, configuration, and diagnostic of next-generation telecommunication equipment.
- o Produced documentation to meet compliance and security requirements set by Bell Canada's cybersecurity team.
- o Produced various data collection automation tools to allow for easier troubleshooting.

# EDUCATION

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## **JANUARY 2023 – PRESENT / UNIVERSITY/ BACHELOR OF I.T ENGINEERING**

Pursuing a 4-year bachelor's degree in the Engineering field, to apply my knowledge of computer systems, software design and networking to ensure the delivery and continuous support of emerging and existing industry products.

<https://www.etsmtl.ca/etudes/premier-cycle/Baccalaureat-genie-des-TI>

## **DECEMBER 2019 – PRESENT / CEGEP / COMPUTER SCIENCE TECHNOLOGY**

Studying in a 3-year program at Vanier College, where I conceptualize, write, and debug software, while also discovering all the different IT sectors, learning their methodologies, and designing applications based on their individual needs.

<https://www.vaniercollege.qc.ca/computer-science-technology>

## **JUNE 2019 – DECEMBER 2019/ CEGEP / COMPUTER ENGINEERING**

Studying in a 3-year program at Vanier College, which teaches me how to read, design and debug electronic circuits while also teaching how to program in a variety of programming languages which are required when working in the field.

<https://www.vaniercollege.qc.ca/computerized-systems/>

## **2014 - JUNE 2019 / SECONDARY HIGH SCHOOL / INTERNATIONAL BACCALAUREATE (IB) PROGRAM**

Graduating Des Sources High School – International Baccalaureate, which provides opportunities to develop knowledge, attitude, and skills to manage complexity as well as take responsible actions for the future and empowers to participate in service within the community.

<http://ecoledessources.com/>

# AWARDS&HONOURS

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## **JAN-2022:**

- Winner of McGill *McHacks* – 9<sup>th</sup> Edition (Newbie Category) for *Mood Changers* web application:
  - Project developed in <72 hours.
  - Utilization of various web APIs and libraries (*faceapi.js*, *googleapis*, *React*, *Redux*, *MUI*, etc.)
  - Production of web application capable of analyzing the user's face using ML to make API calls to YouTube and recommend music based on the user's mood.

## **SEPT-2020 – APR-2021:**

- Developer and recipient of MITACS student internship award with the goal of production of artificial intelligence material for education purposes
  - Development of a neural network capable of playing an interactive game of rock, paper & scissor
  - Development of a neural network capable of detecting & sorting through different types of material for recycling