

# CHLOÉ MACDONALD

INDUSTRIAL ENGINEER  
WEB DEVELOPER  
PROBLEM SOLVER

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- chloe-mac.github.io/portfolio/

## EDUCATION

BACHELOR OF APPLIED SCIENCE  
Double Minor of Artificial Intelligence and  
Engineering Business

University of Toronto  
Department of Mechanical and Industrial  
Engineering  
2017 – 2022

Dean's Honor Roll & Entrance Scholarship  
Annual GPA: 3.91

## LANGUAGES

ENGLISH, FRENCH

## SKILLS

Python	Communication
C#	Critical thinking
JavaScript & JQuery	Team player
HTML, CSS	Self-learner
Java	Time Management
SQL	Adaptability
React	
Working with APIs	
MS Excel, Word	
Matlab	
R	

## ACCOMPLISHMENTS

Mentioned in two Women of Influence  
articles for impactful work completed at  
Cisco Systems Canada with Mandy's &  
Yoga Tree

Poem published entitled "Elle" in Urban  
Voices/L'echo de la ville

Painting published in Young Voices

## PROFESSIONAL EXPERIENCE

TRADE FLOOR TECHNOLOGY WEB DEVELOPER at Scotiabank  
May 2020 – Present

A full-stack Web Developer on the Global Banking & Markets Technology team,  
responsible for determining business requirements to design scalable applications  
using back-end: C# and front-end: Javascript with JQuery, HTML and CSS.

- Built a full-stack Real Estate Project Tracker web application to provide a collaborative platform for team members to update their deliverable progress and status updates
  - Features include: authentication, email updates and reminders, budget tracking with currency conversion API
- Built a full-stack configurable Team Schedule web application to track work locations, shift times and daily tasks for team members
  - Back-end algorithms implemented to smartly predict schedules based on previous weeks Team Schedule data
- Developed an automated attendance tracking process from daily security logs to determine users working in person for Covid-19 contact tracing purposes
- Wrote front-end and back-end scripts to augment existing web applications
- Responsible for database design and management for scalability
- Worked directly with end-users to maintain web applications

TECHNICAL SALES ENGINEER CO-OP at Cisco Systems Canada  
May 2019 – August 2019

A technical lead for identifying and implementing improvements to everyday business systems for two female-owned SMBs.

- Built an automated customer feedback system to generate monthly service quality reports based on email data using JavaScript
- Built an internal web app that calls the Google My Business API to display monthly reviews for various locations using JavaScript, HTML, and CSS
- Conducted usability testing for web and mobile applications
- Provided consulting on current market AI chatbot vendors
- Researched and prepared a data retention and cybersecurity policy proposal

DESIGN INTERN at Hype App Development  
November 2018 – February 2019

- Responsible for functional specifications for user modules for an IOS app

DIRECTOR OF OPERATIONS & COMMUNICATIONS at Coding Professional  
Development for Students  
Nov 2018 – Dec 2018

- Responsible for marketing, communication, and logistics for a two-day coding workshop aimed to equip university students to proficiently code in Java

## EXTRA CURRICULARS

VICE PRESIDENT at Institute of Industrial and Systems Engineers - U of T Chapter  
Mar 2019 – Sept 2020

- Orchestrated and managed U of T's involvement in the IISE Annual National Student Conference, including creating a video to showcase the chapter
- Aided in operations and communicating with other campus groups

DIRECTOR OF COMMUNICATIONS at Institute of Industrial and Systems  
Engineers - U of T Chapter  
Aug 2018 – Feb 2019

- Developed engaging communication strategies for IISE-run events

TEAM LEADER at Engineering Strategies and Practices I & II  
Sept 2017 – Apr 2018

- Managed a team of 6 students to design a solution to early detection of wildfire in Ontario (I) and improve a building's energy efficiency (II)