

# Adamo Orsini

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## Skills

<b>Programming Languages</b>	TypeScript, JavaScript, Java, HTML, CSS, Python
<b>Frameworks &amp; Libraries</b>	React, Next.js, Express, Firebase, WordPress
<b>DevOps</b>	Azure DevOps, GitHub Actions, Azure Pipelines, YAML
<b>Software Development Tools</b>	GitHub, Jira
<b>Languages</b>	English (Native), French (Intermediate)

## Education

### Concordia University

B. ENG. IN SOFTWARE ENGINEERING. CO-OP.

- 3.94 GPA
- Member of the Institute for Co-operative Education
- Dean's List 2020-2021

Montreal, Canada

Sept 2020 - May 2024 (Expected)

### John Abbott College

D.E.C. IN SCIENCES

- Honour Roll Student (2018 - 2020)
- Graduated in the top 10% of the Sciences program

Sainte-Anne-de-Bellevue, Canada

Sept 2018 - June 2020

## Experience

### Software Engineer Intern

PTC INC.

- Spearheaded new company initiative in the Montreal office, paving the way for future development of reusable components.
- Documented, demoed, and presented project work as reference for future web component development.
- Collaborated in a scrum team with daily meetings for task grooming and allocation.

Montreal, Canada

June - Aug 2022

### Intelligent Mobility Solutions Developer Intern

GENETEC INC.

- Increased modularity, flexibility, and speed of software deployment using custom Azure Pipelines YAML template.
- Developed C# command line application with numerous file manipulation commands.
- Implemented YAML template in deployment pipelines of production services and plugins.

Montreal, Canada

Sept - Dec 2021

### Academic Tutor

SELF-EMPLOYED

- Customized tutoring for Mechanics, Electricity & Magnetism, Calculus I and Calculus II CÉGEP courses.
- Elevated student performance to 90%+ grade on midterms.

Montreal, Canada

Sept 2020 - Sept 2021

### Web Developer

COMPASS ATHLETIC ADVISING

- Researched modern web design and SEO standards to attract target customer base.
- Collaborated with junior designer to create company logo, custom colour palettes, and company theme.
- Achieved 92% SEO score on Google Lighthouse.
- Utilized WordPress, Elementor, WooCommerce, custom HTML, CSS, and JavaScript.

Montreal, Canada

Dec 2020 - Apr 2021

### Web Developer

WEST ISLAND INFLATABLES

- Updated website design and SEO capabilities according to company's vision.
- Developed cross-device compatibility for website consistency.
- Improved SEO score from 68% to 100% on Google Lighthouse.
- Utilized WordPress, Elementor, custom HTML and CSS.

Montreal, Canada

Aug 2020 - Dec 2020

### Customer Experience Representative

INDIGO BOOKS AND MUSIC INC.

- Performed cash opening and closing, POS, inventory management, sales, restocking, and customer service.
- Drove sales in the electronics department using knowledge of current product trends including Fitbit and Kobo.
- Trained staff on electronics, POS, and engraving machine.
- Obtained numerous positive customer reviews.

Pointe-Claire, Canada

Oct 2017 - Sept 2020

## Projects

### CrossCast

NEXT.JS, TYPESCRIPT, PROJECT PLANNING

- Directed development of full-stack Next.js and TypeScript web application.
- Won Mirego sponsorship challenge at ConUHacks VII.
- Designed centralized application for cross-platform company updates and news.

ConUHacks VII

Jan 2023

### GunHead (Video Game)

UNITY, C#

- Created 2D side-scrolling platformer using C# in Unity in 48 hours.
- Led the development team and storyboarding process.
- Submitted to the 2022 Concordia Game Jam.

Concordia Game Jam

Oct 2022

### Bobble Shop Website

REACT, JAVASCRIPT, TEAM MANAGEMENT

- Managed the Front-End development team by allocating tasks and project planning.
- Increased team cohesion by teaching previously unknown topics to teammates, including React concepts and asynchronous programming.
- Designed CI/CD pipeline using GitHub Actions to test and deploy to Google Cloud App Engine.

Concordia University

Jan 2022 - Apr 2022

### Theme Song Discord Bot

PYTHON, DISCORD.PY, MONGODB

- Designed Discord bot to play a unique theme song for each user.
- Developed bot using Discord.py API in Python. It is hosted by Heroku and uses a MongoDB database.
- Utilized asynchronous programming to handle user commands and events.

Personal

Oct 2021 - Nov 2021

### Handwriting Recognition using Accelerometers

PYTHON, MATPLOTLIB, PYLOT, DATA MANIPULATION

- Programmed Python scripts to create and read from csv files of acceleration data.
- Collaborated with research supervisor and one teammate.
- Designed triple integration algorithm to retrieve position data visually using Matplotlib PyPlot.

John Abbott College

Feb 2020 - Apr 2020

### Creation of Independently Traversing Arduino Robot

C++, ARDUINO, TINKERCAD, TEAM MANAGEMENT

- Used C++ and Arduino alongside motors, a servo, and an ultrasonic sensor.
- Managed group of 3 teammates during project.
- Achieved first place in class by avoiding all randomized obstacles in the allotted 2-minute timeframe.

John Abbott College

Sept 2019 - Dec 2019

### The Ascent

UNITY, C#, PHOTOSHOP, AUDACITY

- Programmed a 2D platformer game in C# using the Unity 2D game engine.
- Awarded Great Distinction at Hydro-Québec Science Fair hosted by Concordia University.

St. Thomas High School

June 2017 - Aug 2017

## Competitions

Jan 2022 **Mirego Sponsor Challenge Winner**, ConUHacks VII

Concordia University

Feb 2022 **Best National Team**, ENGCOMM 2022

ENGCOMM

Nov 2021 **3rd Place**, Englympics: Programming

Concordia University

Oct 2021 **1st Place Winner**, ENGCOMM x Concordia

Concordia University

Mar 2021 **Participant**, Genetec Challenge

Genetec Inc.

Jan 2021 **Participant**, Coveo Blitz

Coveo Solutions Inc.

Mar 2018 **Great Distinction**, Hydro-Quebec Science Fair

Hydro-Quebec

## Awards & Distinctions

Jul 2022 **Dean's List**

Concordia University

Jan 2021 **Bursary for Excellence in Engineering**

Concordia University

Sept 2020 **CEGEP Entrance Scholarship**

Concordia University

Mar 2018 **John Abbott College Science Award**

Hydro-Quebec Science Fair