

Guy Morgenshtern

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Education

Carleton University

September 2019 – April 2024 (Expected)

B.Eng in Software Engineering

- Second year standing, **11/12 CGPA (A)**
- President's Scholarship (2019), J. Lorne Gray Scholarship (2020), Dean's Honor List (2019-2020, 2020-2021)

Skills

- **Languages:** Java, Python, HTML, CSS, **JavaScript**, C, ASP .NET
- **Soft Skills:** Strong oral and written communication, Collaboration
- **Knowledge:** Data Structures, Object-oriented, Agile development
- **Tools:** Git, Linux, Google Cloud Platform, ○ **Technologies:** .NET, Flask, REACT, Angular, RESTful
- **Relevant Courses:** **Data Structure and Algorithms**, Object-Oriented Programming, Discrete Structures I + II

Projects

SignIn++ / Team Member

September 2018-January 2019

- Developed an attendance tracking and analytics app in **object-oriented Java** for Richmond Hill High School
- Collaborated with teachers in an agile environment to determine their preferences
- Wrote clear documentation to familiarize new users with the application.

Trusst / Personal Project

September 2020-Present

- Developed a program in **Java** and **Python** to assist in the planning and design of truss bridge
- Implemented the NumPy library to make math calculations more efficient

Image Manipulation Project / Team Leader

February 2020-April 2020

- Coded an image manipulation program that allows user to add filters, retouch photos, and mask layers in Python
- Assigned tasks to team members in an equitable and efficient way

Raposity / Hackathon

October 2018

- Designed and implemented a music lyric generation webapp in **JavaScript** and **Python (Flask)**
- Used Markov chains to generate lyrics based on probabilities found in other song lyrics

Work Experience

Web Developer / Rembrandt Awards Mft. Ltd

September 2018-February 2019

- Designed a frontend for the site using **HTML**, **CSS**, and **JavaScript** to functionally and effectively display the online store and important information
- Developed a back-end user account management system using **ASP .NET**
- Collaborated with a supervisor and the CEO on a weekly basis in order to keep track of progress

Crew Member / Menchie's Frozen Yogurt

June 2017-June 2019

- Trained new employees to get them familiarized with the store operations
- Maintained the store's organization and operations

Extracurriculars

Director of Special Projects / Carleton SCE Society

October 2020-Present

- Organized the mentorship program connecting engineering students to seniors to aid with adjusting to school life
- Developed mentor-mentee matching software in **JavaScript** integrated with Google Sheets

Carleton Engineering Consulting Competition(1st Place)

October 2020

- Collaborated with three team members to develop and present a plan to reduce waste generated from personal protective equipment during the pandemic

Ontario Engineering Competition

January 2021

- Developed a five year plan to create a better online learning framework under a budget