

Youssef Ismail

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Education:

University of Alberta

2019-2024

↳ Computer Engineering Software Option, Bsc Co-op

GPA: 3.8 / 4.0

Technical Skills:

Programming: C/C++ | Python | MATLAB | Javascript | SQL | Swift | VHDL | HTML | ARM Assembly | CSS

Digital Tools: Excel | Illustrator | Photoshop | Powerpoint | Word | Git

Project Experience:

Edmonton Reads | Full Stack Web Application | [@edmreads.ca](https://edmreads.ca)

↳ Summary:

A full stack web application that showcases the top 10 most popular books in Edmonton each week. Users can also sign up to track books they are reading or want to read.

↳ How I Built It:

- Designed modern Front-End user interface using Bootstrap, Javascript, HTML, and CSS
- Integrated backend server with Django, AJAX, jQuery, PostgreSQL, and Python
- Retrieved JSON data from City of Edmonton and Google APIs
- Implemented User login and registration with option to save books to reading list
- Deployed website on Heroku server using Gunicorn, WhiteNoise, Git, and Heroku CLI

YegEvents | iOS Application | [@Youtube Overview](#)

↳ Summary:

An iOS application proof of concept that shows nearby social events on an interactive map. Users can interact with the pins to get more information or get directions to the event.

↳ How I Built It:

- Developed application with Swift using UIKit, Mapkit, GeoCoder and MVC models to display data
 - Used Object Oriented Programming to create event model that stored description and geolocation
 - Performed API calls from City of Edmonton API to parse JSON data into Event model
 - Handled privacy permissions in order to give user directions to event using geocoded address
 - Provided support for multiple devices through Auto Layout constraints as well as Dark/Light mode
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Scholarships & Certifications:

- International Baccalaureate Diploma
- Jason Lang Scholarship for Academic Excellence
- University of Alberta Undergraduate Scholarship
- Alexander Rutherford Scholarship
- Legally entitled to work in Canada