

# IVAN PENALES

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navibryle

## PROJECTS

Graph-viz (graph algorithm simulator)

javascript, html, css

ipenales.com/graph-viz

- Create custom or randomized graphs.
- Visualize the execution of breadth first search or depth first search.

Weather app

react, django, apache2, bootstrap

ipenales.com/weather-app

- Get real-time weather data of a city in openweather api and neatly display it in a table.
- Users can create an account to create data-sets in order to save data. Data-sets can contain weather data for a collection of cities.

Booktracker

android, java, firestore

School group project

- App that will track owned, borrowed, and lent books.
- We applied scrum practices and agile principles during development.
- I am responsible for majority of the asynchronous task, requesting logic and i also integrated continuous integration.

RISC-V to web assembly transpiler

risc-v

School project

- This app will translate a subset of RISC-V instructions to web assembly source code.
- This project was very involved in translating the binary representation of a RISC-V instructions.

Portfolio

javascript, html, css

ipenales.com

- My personal portfolio that contains a list of relevant projects, including the ones mentioned above.
- Each project is presented in an easy to use user interface that provides or links all the necessary information about the project.

## EDUCATION

B.sc Computer Science

University of Alberta

September 2019 – current

CGPA: 3.4

MacEwan University

January 2017 – April 2019

## SKILLS



## HACKATHON

- HackED 2020
- Hack the north 2020