

IVAN PENALES

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Alberta

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

CMPUT 301 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

CMPUT 229 project

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

University of alberta

september 2019 – current

CGPA: 3.4

MacEwan University

January 2017 – April 2019

TECH STACK



HACKATHON

- HackED 2020
- Hack the north 2020

SCHOLARSHIP

- Jason Lang Scholarship 2019