IVAN PENALES

@ ipenales@ualberta.ca   📞 (403)913-5645   % ipenales.com   📍 Alberta, Canada   ⚙ 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

- 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

- 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

C   python   Java   Android
Firestore   HTML   CSS   SQL
JavaScript   Git   Django   React
Bootstrap   BerkeleyDB   RISC-V
Apache2   LaTeX

HACKATHON

- HackED 2020
- Hack the north 2020