Julius Villamayor

juliusvillamayor.com
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Skills

- JavaScript
- Python
- React
- (S)CSS, HTML
- REST APIs, Postgres
- Xcode
- Xamarin
- Android Studio
- Java
- C#
- TensorFlow
- Rapid prototyping

Education

University of Victoria
BSc Computer Science & Psychology Combined
2013 - 2018 | Victoria, BC

Vancouver College
High School Diploma
2008 - 2013 | Vancouver, BC

Achievements

The Modern React Bootcamp
- Udemy - Hooks, Context, NextJS, Router

2019 VIATEC Finalist
- Innovative Excellence - Hardware

CES 2019 Exhibitor
- Represented Ergonomyx Technologies Inc.

Entrance Scholarship
- UVic, Awarded 2013

Experience

Aug 2018 - Sep 2019
Full Stack Mobile Developer
Ergonomyx Technologies Canada Inc., Victoria, BC
- Cross-platform mobile app development with Xamarin, C#, XAML
- RESTful API development with Node.js, PostgreSQL
- Scripting with Raspberry Pi, Python, Node.js

Dec 2016 - Feb 2018
Research & Records Assistant
University of Victoria, Undergraduate Records, Victoria, BC
- Managed students records, transcripts, and graduation applications
- Automated an 8h weekly task

May 2017 - Dec 2017
Research Assistant/Data Analyst
BC Ministry of Energy, Mines, & Petroleum Resources, Victoria, BC
- Collected data from inspection reports from mine visits in BC
- Reported on noncompliance trends
- Advised revisions to the Health, Safety, and Reclamation Code
- Quality Assurance of the BC Mine website (mines.nrs.gov.bc.ca)

Sep 2014 - Apr 2015
Research Assistant
University of Victoria, Victoria, BC
- RA for an environmental study at the University of Victoria
- Investigated the relationship between perceived behavioural control, attitudes, and subjective norms, and how they influence likelihood of donating to charity

Personal Projects

2020
Color Palette Picker
color-palette-picker.netlify.com
- A Web App for building and using custom color palettes
- Uses React, React Router, and Material UI
- Source code: github.com/villama/color-palette-picker

2018
Recurrent Neural Network and Human Randomness
github.com/villama/rnn-human-randomness
- A recurrent neural net for predicting random moves within a 4x4 grid
- Predictions were 33% better than chance
- Used Python, Keras/TensorFlow, Javascript, PHP, and SQLite

2018
CIFAR-10 Convolutional Neural Net
github.com/villama/cifar-10-cnn
- A convolutional neural network designed for use with CIFAR-10
- Achieves an accuracy of 72% classifying images across 10 categories
- Used Python and TensorFlow