

Julius Villamayor

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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

- Mar 2020 - Present **Full Stack Web Developer**
Exan Software, Coquitlam, BC
- Development for industry-leading web-based dental software (SaaS)
 - Grails/Spring backend and Backbone.js SPA frontend
 - Supporting app across multiple versions & clients in an Agile team
- 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
- 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
- Research assistant for Dr. Reuven Sussman
 - Studied 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