

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

Jan 2021 - Present **DevOps Engineer**

Rakuten, Inc., Tokyo, Japan

- Improve developer experiences within the Rakuten ecosystem
- Manage IAAS + PAAS workflows (Terraform, Chef, Kubernetes)
- Respond to dev inquiries, scaling and troubleshooting services

Aug 2018 - Sep 2019 **Full Stack Mobile Developer**

Ergonomyx Technologies Canada Inc., Victoria, BC, Canada

- 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 Co-Op**

BC Ministry of Energy, Mines, & Petroleum Resources, Victoria, BC, Canada

- Compiled data from inspection reports from mine visits in BC
- Reported on noncompliance trends
- Quality Assurance of the BC Mine website (mines.nrs.gov.bc.ca)

Mar 2020 - Dec 2020 **Full Stack Web Developer**

Exan Software, Coquitlam, BC, Canada

- 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

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