

# Julius Villamayor

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## Skills

- JavaScript, CSS, HTML
- React, jQuery, Backbone
- Docker, Kubernetes
- Chef, Terraform
- Prometheus, Grafana
- Python, TensorFlow
- Java, IntelliJ
- REST, Spring, Express
- Gradle, Jenkins
- Xcode, Android Studio

## Education

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

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

## Courses

### React Bootcamp

- Udemy - Hooks, Context, NextJS, Router

### Docker Mastery

- Udemy - with Kubernetes and Swarm

## Achievements

### 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

- Improving developer experiences and workflows within Rakuten
- Managing IaaS + PaaS pipelines (Terraform, Chef, Kubernetes)
- Handling dev requests, provisioning and scaling cloud resources

### 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
- Supported app across multiple versions & clients in an Agile team

### 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)

## Projects

### 2020 **Color Palette Picker**

[color-palette-picker.netlify.com](https://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](https://github.com/villama/color-palette-picker)

### 2018 **Recurrent Neural Network and Human Randomness**

[github.com/villama/rnn-human-randomness](https://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](https://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