

Julius Villamayor

Tokyo, Japan

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Education

University of Victoria

2013 - 2018

BSc Computer Science & Psychology Combined | Victoria, BC, Canada

Skills

Programming Languages:	JavaScript, TypeScript, Node.js, Java, Go, Python
Web Technologies:	CSS, HTML, SASS, React, Vue, Next.js, jQuery, Backbone.js
Frameworks + DBs:	REST, Express.js, gRPC, Micronaut, Spring, PostgreSQL, Kafka
Infrastructure + Monitoring:	Docker, Kubernetes, Chef, Terraform, Prometheus, Grafana
IDE + Tooling:	Visual Studio Code, IntelliJ, Gradle, Jenkins

Experience

Rakuten Group, Inc., Tokyo, Japan

Feb 2022 - Present

Application Engineer

- Development of global shipping calculation platform
- Development of data streaming platform (e.g. real-time shopping points)
- Using Java, gRPC, REST, with Kafka, Couchbase, and Cassandra DBs

Rakuten Group, Inc., Tokyo, Japan

Jan 2021 - Mar 2022

DevOps Engineer

- Development of Node.js + Java microservices for internal cloud platform
- Development of IaaS and PaaS tools (Terraform, Chef, Kubernetes)
- Provisioning and scaling of cloud resources and pipelines

Exan Software, Coquitlam, BC, Canada

Mar 2020 - Dec 2020

Full Stack Web Developer

- Development of industry-leading web-based dental software (SaaS)
- Development of Vue.js & Backbone.js SPA frontend, Grails + Spring backend
- Multi-version development for clients with unique requirements

Ergonomyx Technologies Canada Inc., Victoria, BC, Canada

Aug 2018 - Sep 2019

Full Stack Developer

- Development of Node.js + Postgres REST API, Python + Node.js shell scripting
- Flask web frontend development
- Cross-platform mobile app development with Xamarin, C#, XAML

Projects

Color Palette Picker 2020

github.com/villama/color-palette-picker

- A Web App for building and using custom color palettes
- Used React, create-react-app, React Router, and Material UI
- Hosted at color-palette-picker.netlify.com

Recurrent Neural Network and Human Randomness 2018

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, SQLite
- Archived study hosted at fourbyfour.herokuapp.com

Convolutional Neural Net 2018

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

Additional Coursework

Responsive Real-World Websites with HTML and CSS 2022

- Udemy - Modern HTML5, CSS3, and web design

React Bootcamp 2020

- Udemy - Hooks, Context, NextJS, Router

Docker Mastery 2020

- Udemy - Kubernetes, Swarm

Achievements

VIATEC Finalist 2019

- Innovative Excellence – Hardware

CES Exhibitor 2019

- Representing Ergonomyx Technologies Inc

Entrance Scholarship 2013

- University of Victoria