

# **Samuel Blais-Dowdy**

DevOps Engineer at Epic I will code you the moon

**Sugarraysam.github.io** 

github.com/sugarraysam

in linkedin.com/in/sugarraysam

# 

\* French - Native

**|**≅ English - Fluent

# Hobbies

Programming

**■** Ice Hockey

Robotics

**Tennis** 

Microbreweries

**H** Working Out

# About Me

DevOps Engineer with Linux, Kubernetes, Docker and Go experience. My long term goal is to work as a Robotics Engineer, because I love team work, I am hypercurious and I need to be challenged on a daily basis. To help me reach my objective, I recently completed the Reinforcement Learning Specialization offered by Coursera and just enrolled in the Udacity Deep Reinforcement Learning Nanodegree.

# **T** Projects

# <u>Archsugar</u>

Bootstrap, provision and fully maintain an high-end modular archlinux system with Go & Ansible

# Udacity deep rl

Implemented DQN with Prioritized Experience Replay and A2C with GAE for continuous control as part of the Deep Reinforcement Learning Nanodegree from Udacity

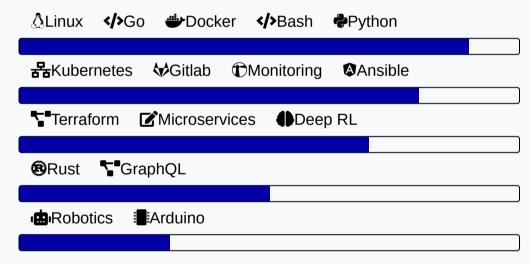
## **Resume**

Generate and publish my resume with Hugo, Bootstrap, jQuery, Font Awesome and Github Pages.

# Rust arduino elegoo

Rewriting the Elegoo Super Starter Kit tutorials in Rust





# **Experience**

#### **DevOps Engineer - Epic**

08/2020 - Present · 4 months

- Maintain and troubleshoot kubernetes clusters using RKE and Rancher
- Develop and deploy HTTP Go microservices on kubernetes, using Helm and Docker
- Pioneer our adoption of Terraform to write our k8s infrastructure as code, defining best practices and contributing guidelines
- Wrote and deployed a multi-cluster monitoring solution using the Prometheus operator stack
- Lead project to integrate k8s monitoring and logging with Splunk ITSI

#### **DevOps Engineer - Bell Canada**

05/2019 - 03/2020 · 10 months

- Delivered a pipeline for a monolithic Django web application using Gitlab CI, Ansible roles and systemd services
- Delivered a pipeline and helped to migrate the Django monolith to a microservices architecture, using Go, Gitlab CI, docker swarm and Ansible roles
- Performed production shutdown maintenance
- Configured alpine containers for production

### **Security Analyst - Bell Canada**

05/2018 - 05/2019 · 12 months

- Performed analysis and escalation of security threats in collaboration with Senior Security Analysts
- Participated in high-impact cybersecurity incident response and wrote report for management
- Helped improve our Use Cases by providing feedback to Threat Hunters
- Used Arcsight SIEM along with other security tools (Nmap, traceroute, OpenSSL, Wireshark, F5 WAF, vendor dashboards, Radware, Arbor, etc)

# **Teaching Assistant - University of Montreal**

01/2018 - 05/2018 · 3 months

- Prepared weekly cybersecurity labs for graduate and undergraduate students
- Gave two lectures on symmetric/assymetric cryptography
- Helped student perform a full exploitation of a Vulnhub VM, from fingerprinting, to exploiting a PHP server, and finishing with Linux privilege escalation
- Demonstrated and explained popular security tools



## **B.A.** in Computer Science and Mathematics

2015-2018 - University of Montreal

### **B.A.** in Accounting

2012-2015 - University of Quebec in Abitibi-Temiscamingue

# **Q** Certifications

# **Reinforcement Learning Specialization**

Coursera

Issued 11/2020 · No Expiration Date

#### **CKA: Certified Kubernetes Administrator**

The Linux Foundation

Issued 11/2020 · Expires 11/2023

#### Modern Robotics, Course 2: Robot Kinematics

Coursera

Issued 11/2020 · No Expiration Date

### Modern Robotics, Course 1: Foundations of Robot Motion

Coursera

Issued 10/2020 · No Expiration Date

## **Applied Plotting, Charting & Data Representation in Python**

Coursera

Issued 04/2020 · No Expiration Date

# **Introduction to Data Science in Python**

Coursera

Issued 04/2020 · No Expiration Date

#### **LFCS: Linux Foundation Certified Systems Administrator**

The Linux Foundation

Issued 11/2019 · Expires 11/2022

# **Docker Certified Associate**

Docker Inc.

Issued 12/2019 · Expires 12/2021