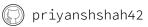
# Priyansh Shah

# Software Developer



priyansh.ca



Priyansh Shah



priyanshshah42@gmail.com

## **EXPERIENCE**

GENERAL DYNAMICS MISSION SYSTEMS - CANADA | SOFTWARE ENGINEER CO-OP September 2020 - August 2021 | Ottawa, ON

- → Contributed to the design, development, and delivery of the mission software on-board the CP-140 Aurora long-range patrol aircraft operated by the Royal Canadian Air Force.
- → Applied an acceptance test-driven development approach to contribute to all parts of the software development process, including testing software features for the product in an **agile** development team.
- → Researched methods to speed up the software build process in addition to automating tedious parts of the developer process.
- → Reduced **Robot** test failure rate by approximately 40%. Wrote automated acceptance, integration, and regression tests and assisted in maintenance of a suite of over 4300 tests with **Jenkins** pipelines.
- → Designed, created, and deployed an internal web application to remotely toggle hardware power switches on **Kubernetes**. Created with **Angular** using **SNMP**.

# MCMASTER SOFTWARE ENGINEERING SOCIETY | VP EVENTS/MARKETING

April 2020 - Present | Hamilton, ON

- → Organized events for students enrolled in Software Engineering.
- → Dealt with logistical and personnel issues to create experiences to enhance
- → Gauged community interest in ideas to ensure events were enjoyable.
- → Created marketing graphics and promoted events to ensure reach and student turnout.

#### **PROJECTS**

**INTERVR** | C#, Oculus SDK, IBM Watson

2020 | Github, Devpost

- → Created a **VR** application that helps users prepare for interview-like scenarios.
- → Written in **C#** and used **Unity** to create the VR environment with **Oculus** Rift.
- → Provided real-time feedback and statistics using **IBM Watson** speech recognition API.

# CARGO NO-GO | C#, PYTHON, MATLAB

2019 | Github, Devpost

- → Built a program with a small team that consisted of a GUI, simulator and data parser that automated truck theft detection for trucking company Canada Cartage.
- → Utilized MATLAB and Python to process, plot and update large amounts of data and C# to create a functional and clean user interface.

#### **MEATUPS** | ANDROID, JAVA, GOOGLE MAPS

2018 | Github, Devpost

- → Created an **Android** application that allows users to meet each other based on their food preferences.
- → Developed in Android Studio using Google Maps API, Java and XML.
- → Application website created with **HTML** and **CSS**.

# SKILLS

#### **PROGRAMMING**

Proficient:

C# • C • Python • Java • HTML • CSS • Ada

Experienced:

Shell • LATEX • JavaScript • TypeScript

Familiar:

Go • SQL • Assembly (NASM)

### LIBRARIES/FRAMEWORKS

Angular • Robot • Unity • SNMP • .NET

# TOOLS/PLATFORMS

Git • Unix • Docker • Kubernetes • Jenkins • Android Studio • MATLAB • Autodesk Inventor

#### **APIS**

Discord.net • Google Maps • Fitbit • Oculus • IBM Watson

# **EDUCATION**

#### MCMASTER UNIVERSITY

BACHELOR'S IN SOFTWARE Engineering April 2023 | Hamilton, ON Computing and Software Cum. GPA: 3.7 / 4.0

- → Enrolled in the Software Engineering Co-op program.
- → On the dean's list for maintaining a grade-point average above 9.5 on a 12-point scale.
- → Awarded the McMaster Entrance Scholarship for having a grade-point average over 90% in high school.