

# JOEY VILLAFUERTE

---

Ajax, ON | (647)-293-3661 | [josefvillafuerte8@gmail.com](mailto:josefvillafuerte8@gmail.com) | [LinkedIn](#) | [Portfolio](#)

## Skills

---

- Python
- Java
- HTML/CSS/JavaScript
- React.js/Vue.js/Typescript
- MySQL/NOSQL/Django
- ROS
- Node.js/API
- Cloud Computing
- Distributed Systems
- Machine Learning
- Artificial Intelligence
- Fullstack Development

## WORK EXPERIENCE

---

### STAN AI

May 2022 – September 2022

*Data Analyst - Internship*

- Spearheaded and guided the ongoing data training for the STAN machine learning model
- Researched and created multiple automation tools to increase productivity for employees
- Developed and executed engagement strategies to drive usage on the STAN platform
- Ensured the maintenance of technologies through thorough testing and updating

### Ontario Tech University

January 2021 – April 2021

*Follow-up Caller*

- Called the homes of thousands of students to follow up on university applications, and the transition into university
- Answered hundreds of questions from both students and parents about the major differences between high school and university life

## EDUCATION

---

### Ontario Tech University – Oshawa, ON

September 2019 – May 2024

- Honours B.Eng – Software Engineering

## Personal Projects

---

### Capstone – Autonomous Dynamic Obstacle Detection using LiDAR technology

*Made using: Raspberry Pi, Arduino, ROS, Ubuntu for Linux, VMWare Workstation 17, React.js*

- Pushing LiDAR technology to its limit to autonomously detect and map static and dynamic obstacles in the same area.

### Grand Chase Kakao Material Calculator

*Made using: HTML, CSS, JavaScript, React.js*

- Material Calculator for Grand Chase to calculate late game resources for all 5 classes and applicable to over 20 units in-game

### STAN Haystack Document Parser

*Made using: Python, Jupyter Notebook*

- A tool researched and developed to begin testing of automated document parsing with selective matching. Calculations are made based on what terms/phrases are matched and automatically recorded.