

# VICTOR OZOH

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Phone: 757-513-6026

Citizenship Status: US Permanent Resident

## LANGUAGES AND TOOLS

Python, C++, C#, Bash, Git, MATLAB OpenCV, Gazebo  
Robot Operating System(ROS), Scikit-Learn,  
Tensorflow, Keras, Pytorch, Pandas, Numpy, HTML, CSS,  
Javascript, Bootstrap, Nodejs, Flask, AWS, MySQL

## COURSES

Applied Linear Algebra, Robot Kinematics and  
Dynamics, Mechatronics, Simultaneous Localization and  
Mapping, Deep Reinforcement Learning, CUDA  
Machine Learning Foundations, Quantum Computing

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## PROFESSIONAL EXPERIENCE

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### DILIGENT ROBOTICS

Jan 2019 – Present

#### **SOFTWARE OPERATIONS ENGINEER**

- **Wrote Python programs** to collect data on all processes running on robot
- **Debugged and performed** bug fixes on Python code running on deployed robots.
- **Created** technical documentation for robot operation and on the Robot Operating System(ROS).
- **Extensive use of Git** in maintaining code base and ensuring proper software version was running on the robot.

### FERMILAB

June 2019 – August 2019

#### **SOFTWARE ENGINEER INTERN**

- **Designed, developed and implemented** the Status Monitor Application for the Muon-to-Electron (Mu2e) experiment's Data Acquisition system using C++, Javascript, HTML and Git.
- **Improved the User Interface** of other Data Acquisition Software for the Mu2e experiment. In addition, I improved code readability and maintainability by ensuring proper Separation of Concerns in existing HTML, CSS and Javascript code.
- **Wrote Python programs for testing the functioning** of the Slow Controls Monitor Board for the Rack Protection System of the Mu2e experiment.

### MCHUGHSON

2017 – 2018

#### **PYTHON DATA ENGINEER**

- **Boosted efficiency and reproducibility in company's data processing by developing streamlined data ingestion, storage and processing pipelines** using Python and Boto3 to interact with AWS S3 and EC2 services.
- **Utilized AWS to implement rules and logging systems in AWS Cloudwatch.**
- **Extensive use of Docker and Git** to implement CI/CD practices.

### CLYDE BERGEMANN POWER GROUP

2013 – 2015

#### **SOFTWARE DEVELOPMENT ENGINEER**

*Used Camos software to develop and implement software tools, enabling Application Engineers to streamline operations by automating various tasks. Contributed in formulating concepts and technical reporting for Pneumatic Conveying R&D. Analyzed Particle Trajectories and velocities in Pneumatic Conveying using Python Pandas library.*

- **Developed Clyde Bergemann Configurator tool using Camos Develop, Microsoft SQLServer sold by company for over \$200K.**
- **Initiated use of Semantic Versioning** in Software projects at Clyde Bergemann.
- **Successfully troubleshooted various project management roadblocks** while seamlessly coordinating all project scheduling, communication, and asset management issues.
- **Developed C# applications to interface with AutoCAD to automate the drawing of standard components**

## EDUCATION | CERTIFICATIONS

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MSC ROBOTICS, NORTHWESTERN UNIVERSITY

MSC ELECTRICAL AND ELECTRONIC ENGINEERING, UNIVERSITY OF GLASGOW

BENG ELECTRONIC AND COMPUTER ENGINEERING, FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI

*Certifications:* General Assembly Data Science certificate

Udacity Deep Learning Foundations Nanodegree certificate | UT Austin Full Stack Web development certificate