



VICTOR LALO

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EDUCATION

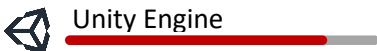
Northwestern University



Evanston, IL | 2013-2017

B.S. - Electrical Engineering
Minor - Music Technology

SKILLS



Systems / Tooling



Game Design



UI



Mechanics

CERTIFICATES

University of Colorado



C# Programming for
Game Development
2020

NVIDIA DLI

Deep Learning
Robotics
2019



WORK EXPERIENCE

Playstation

Software Engineer in Test

San Mateo, CA | 2020 - Present



- Utilized internal console backend to create applications that communicate with Playstation products. Incorporated internal tools that allow for audio recording, playback, menu navigation, screen recording, and image analysis.
- Collaborated on a suite of automated testing tools to speed up testing and verification of Playstation console peripherals (headphones, controllers, headsets).
- Created graphical interfaces that allow engineers to interact with products on Windows and Mac computers. Interfaces can interpret incoming serial data and convert to a human-readable format.

BeBop Sensors

R&D Engineer

Berkeley, CA | 2018 - 2020



- Developed VR debugging and interfacing tools in the Unity Engine that give developers access to more functionality within BeBop SDKs.
- Worked with external parties to integrate hardware components into BeBop's XR gloves, expanding spatial tracking and interactive utility of the product.
- Lead the design and implementation of a test automation system for product validation, converting manual work into efficient and automated test procedures. The test suite includes the development of robotic operation, firmware communication, data analysis, and graphical interfacing.

Northwestern Audio Laboratory

Research Assistant

Evanston, IL | 2016-2017



- Aided in the research of a machine learning system that analyzes music and divides the songs into repeatable patterns, then extracts and isolates instrumental sources such as vocals, drums, or lead guitar.
- Spearheaded the development of a musical glove controller that interfaces with Digital Audio Workstations, elevating the performance of electronic music.