

# JOSEPH "CHUDI" ONWUASOANYA

## Computer Scientist and Digital Designer

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## EXPERIENCE

### Instructor

#### Game-U

📅 April 2023 – Current

📍 Remote

- Facilitated education for thousands of students nationwide as a Hybrid+ Curriculum educator, teaching elementary through high school students.
- Designed and delivered curricula in Python, Scratch, Unity, and Roblox Studio, combining live instruction with self-made curriculum.
- Created Computer Science modules covering Object-Oriented Programming, functions, and algorithms.

### STEM Intern

#### Picatinny Arsenal

📅 July 2017 – Sept 2022

📍 Wharton, NJ

- Developed the Commonly Remote Operated Weapon Station on a Scrum development team in C++ and C, implementing functionality and fixing software bugs in production.
- Built management plugins with Ruby on Rails for the Gaming Interactive Technologies and Multimedia Team (GITM) to schedule meetings and manage work items.
- Implemented project goals for the GITM team, updating legacy code in Ruby on Rails and JavaScript.
- Tester on a modular video game, generating and reviewing builds for developers, stakeholders, as well as executing test plans and test cases.

### Freelance Developer & Designer

#### Self-Employed

📅 2020 – Current

📍 Remote/NYC

- Produced Python API curriculum and custom tools for clients and online learners.
- Delivered multimedia projects with Unreal Engine, TouchDesigner, and Resolume.
- Supported indie artists with digital content creation (see Case Study).

## TECHNICAL SKILLS

Python C++ JavaScript

Ruby on Rails

React OpenGL HTML/CSS

GitHub Scrum Microsoft Suite

## CREATIVE TOOLS

Adobe Suite Houdini Unity

Ableton TouchDesigner Unreal Engine

Resolume Roblox Studio


## EDUCATION

### Bachelor of Science in Business and Information Systems

#### New Jersey Institute of Technology

📅 December 2022

## KEY PROJECT

 **The Overhead Bins Music Video**  
Indie band with 50k Spotify listeners. Created photogrammetry-based facial model of lead singer, rigged PS1-style characters, and designed tornado effects to match retro aesthetic.