

JOSEPH BURNETT

Computer Scientist and Digital Designer

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in jsephburnett

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.