Austen Cabret

Architecture Programmer

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Projects

Feed Forward Neural Network
JUL 2023
- A python algorithm that loads data, formats it, trains and can produce new 3D models.

Building Code Consultant
JUN 2023
- Government database parser that assesses whether a building model would pass of fail code review.

Portfolio Website
MAY 2023
- A website made for self-promotion and practice web development.

Generlate
SEP 2022 – PRESENT
- YouTube channel dedicated to vlogging building architecture software and talking about related topics.

ShellHacks Hackathon
SEP 2021
- In a team of four, connected html, css, python, flask and a cdc database to develop a website that displayed updated coved data.

Visual Scripting
AUG 2018 – JUL 2020
- Built parametric geometry models using visual scripting in a 3D design tool, Grasshopper.
- Relies on underlying Rhino 3D tool, written in C++.

Relevant Experience

Designer @ Insite Studio, West Palm Beach, FL
NOV 2021 – JAN 2023
- Tech Lead
- Designed residential + commercial architecture

Renderer @ Nievera Williams, West Palm Beach, FL
OCT 2020 – APR 2021
- Rendered design proposals for presentations

Planning Intern @ Palm Beach County, West Palm Beach, FL
MAY 2017 – SEP 2019
- Contributed to park designs, created graphics + drafted construction documents.

GIS Intern @ The Village of Wellington, Wellington, FL
MAY 2015 – JUL 2015
- Compiled data for GIS mapping

Skills

Programming Languages
HTML, CSS, Typescript + Python

Libraries + Frameworks
React, Three.js, Pytorch, Numpy, Matplotlib + Pygame

Tools + Platforms
Git, Github, Azure, Node.js + PostgreSQL

Design
Adobe Creative Cloud, Davinci Resolve, Rhino, Unreal Engine, Grasshopper, Autocad, Sketchup, Figma, Midjourney + Lumion

Other
Sketching, building computers, rendering, 3D modeling + GIS

Education

Web Development
JUN 2023 AUG – 2023
FrontendExpert

Computer Science + Engineering
JUL 2022 – JUL 2023
MIT Open Courseware

Master of Landscape Architecture
AUG 2014 – JUL 2020
Florida International University

Interests

Anime, video games, weightlifting + reading