

# William Sanchez

williamlancelotsanchez@gmail.com | 845-721-9250 | Pittsburgh, PA | github.com/willsanchez86

## Objective

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Multi-Industry Professional seeking a role as a Frontend Developer where exceptional technical skills in coding and software development, along with previous successes in project management and cross-collaboration, will be applied to deliver scalable solutions, and drive value for all stakeholders, clients, and customers.

## Skills

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|----------------------------|------------------------------------------------------------------------------------|
| Programming Languages:     | Python, SQL, JavaScript, HTML5, CSS, Solidity                                      |
| Frameworks/Technologies:   | React, Bootstrap, Sqlite3, PostgreSQL, Web3, Flask, Restful APIs, Git, TailwindCSS |
| Technical:                 | Debugging, Version Control, Web Design, Back End Development, Server-Side          |
| Integration Non-Technical: | Adaptability, Problem Solving, Communication, Collaboration, Negotiation,          |
| Management                 |                                                                                    |

## Experience

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### Organized Crime Apes NFT Minting dApp

FREELANCE DEVELOPER

[Demo](#) | [Github Repo](#)

- Decentralized Full Stack NFT Minting Application built on Ethereum Network for Organized Crime Apes NFT Project (Deployed Demo Version on Rinkeby Testnet with dummy artwork for client privacy)
- Images and Metadata hosted on Interplanetary File System (IPFS)
- Solidity ERC-721 Smart Contract enables minting/payment and OpenSea gasless listing
- Blocknative Framework for onboarding users and securely connecting to consumer crypto wallets
- dApp is run on Alchemy supernode
- Deployed on Vercel

*React, NodeJS, JavaScript, TailwindCSS, Hardhat, IPFS, Solidity, Blocknative, Vercel, Web3*

### JTrivia Full Stack Web App

FULL STACK DEVELOPER – PORTFOLIO PROJECT

[Demo](#) | [Github Repo](#)

- Jeopardy.db was created using Scrapy to access tens of thousands of pages from <https://jeopardyquestions.com>.
- Data was retrieved from database using Python SQLAlchemy, then fetched asynchronously from the app.js file, which loads the game board when user starts the game
- Login and Registration forms use JavaScript Regular Expressions for requirement checks before enabling submission
- Python function conducts final validation against database before granting user access
- Deployed on Heroku

*JavaScript, Python, SQL, HTML CSS, Fetch, Flask, Bootstrap, SQLAlchemy, Scrapy, Heroku*

### Github Finder Web Application

FULL STACK DEVELOPER – PORTFOLIO PROJECT

[Demo](#) | [Github Repo](#)

- React App that fetches data from the GitHub API to search for users and repositories
- Context and Reducers manage state across all app components
- Responsive design styled with TailwindCSS and DaisyUI to display fetched data on appealing user-interface
- Deployed on Vercel

*React, NodeJS, TailwindCSS, DaisyUI, API, Vercel*

*Python, HTML, CSS, SQL, Flask,  
Bootstrap, SQLAlchemy, Heroku*

## **Blog**

FULL STACK DEVELOPER – PORTFOLIO PROJECT

[Demo](#) | [Github Repo](#)

- Full Stack Web Blog built with Flask
- CRUD functionality for easy user experience for both blog owner and viewers
- Secure User Authentication with hashing/salting encryption
- Sqlite3 Database connected using SQLAlchemy
- Deployed on Heroku

## **Advantage Solutions**

*Woodcliff Lake, NJ*

BUSINESS DEVELOPMENT MANAGER

*2018-2020*

- Analyzed IRI/Nielsen Data using Python Libraries to identify any emerging growth opportunities within the marketplace, and generate data visualizations for presentations
- Created tools for personal use to automate administrative tasks with Python
- Maximized manufacturer marketing and promotional funds to achieve strategic goals while staying within allocated annual spending budget
- Maintained all forecasts using Oracle Based Sales Management Software, utilizing internal reporting tools and Power BI to ensure record accuracy for stakeholders
- Worked closely with supply chain teams to manage allocations and supply constraints to ensure that clients/retailers received fair product distribution within challenges created by the global pandemic

## **Education**

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**Pennsylvania State University**

BS MARKETING

August 2008-May 2012

Harvard CS50: Introduction to Computer Science  
100 Days of Code: The Complete Python Pro Bootcamp  
Modern JavaScript: From The Beginning  
React Front to Back 2022

Harvard – EDX  
Udemy – Angela Yu  
Udemy – Brad Traversy  
Udemy – Brad Traversy