

# Mateo Zapata

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## EDUCATION

### NJIT

B.S IN COMPUTER SCIENCE

May 2023 | Newark, NJ

### SNHUX - DAD-220X

STRUCTURED DATABASE

ENVIRONMENTS WITH SQL

Jun 2020- Jul 2021| Remote, EDX

### MITX

SOFTWARE ENGINEERING

Jun 2020-Jan 2021| Remote, EDX

### HARVARDX

CS50

Jun 2020-2021| Remote, EDX

## LINKS

Github:// [matezm12](#)

LinkedIn:// [Mateo Zapata](#)

Website:// [mateozapata](#)

## COURSEWORK

### COURSED

Software Engineering

Open Source Software Engineering

Advanced Interactive Graphics

Game Engines

Cloud Computing

Machine Learning

Web Development

Operating Systems

Artificial Intelligence

Functional Programming

Computer Graphics

## SKILLS

### PROGRAMMING

Expert (5+years):

• HTML and CSS • Java • JavaScript •

Python • Three.js • React • Next.js •

Angular • Csharp •

Intermediate, 3+years:

C • TypeScript • C++ • Clojure • PHP •

Swift • Solidity • Rust • SQL

Familiar(1+years):

Ruby • Swift • Kotlin • Move

## EXTRA DEVELOPMENT SKILLS

### GAME ENGINES(2 YEARS)

• Unity and Csharp • Unreal Engine and C++

### SDK

• Android SDK and Android Studio • Firebase • Microsoft Azure SDK

## EXPERIENCE

### THEOMETRICS | FULL STACK SOFTWARE ENGINEER

Nov 2022 - Feb 2024 | Remote, NJ

- Full Stack development with Next.js, React, Node.js, AWS.
- Worked with Three.js and WebGL for Creative 3D Front-end interfaces
- Migration of existent products and projects into AWS.
- Blockchain Development with Solidity.

### MUSEUM OF SEX | FULL STACK SOFTWARE ENGINEER

Feb 2022 - Nov 2022| Hybrid role (NYC)

- Worked on managing data through a Web Server using Typescript, React, and Python for a total of more than 10 on-site games.
- Scraped data through custom APIs using Python Pandas for 30 different data sources.
- Python, OpenCV, ML, Deep Neural Networks and AI.
- Defined interactions and interfaces for hosting and managing physical infrastructure such as lighting, volume, cameras, etc, with IoT, Using a Web Server done in TS, Next.Js and Python to interact with Raspberry PI boards for managing the Building through the Web Application created. AI was developed to find and maintain optimal levels of noise, lighting and many other things.

### GALAXE SOLUTIONS | FULL STACK SOFTWARE DEVELOPER

Sept 2021- Mar 2022 | Remote role

- Working with Front-end and Back-end engineers to develop products accordingly to client and business specifications.
- Full Stack with Python, PostgreSQL, Angular, React, Node and AWS

### AMAZON | PROBLEM SOLVER

Sep 2020- Sep 2021 | Somerset, NJ

- On-site building Software and Hardware Troubleshooting and Maintenance.

## EXTRA EXPERIENCE

### SOFTWARE ENGINEERING

• Developing Web3 Full Stack Web Applications, Working with Strong Backend Services Such as AWS, Blockchain ERC-20, ERC-721. Helping startups to create Smart Contracts and MVPs. Three.js, Golang, React Native, Nextjs, Angular, Go, PostgreSQL, GraphQL, Thirdweb, Ethereum. • Was part of the Backend team of a Blockchain game called "The Treeverse" working with Csharp.