Mariale Montenegro

Lead Tech Product Engineer

PURPOSE

Push the bounds of technology and experiences with creative development

EXPERIENCE

CTO, Founder
Mentaport, USA — 2022 – present

Tools for protecting and tracking IP across the internet for all content creators.

- Invisible watermarking and AI scanner agents for images, audio and video.
- Led all infrastructure development (AWS): microservices, APIs, containers.
- Released production API and SDK.
- Built Web3 smart contracts for decentralized verification and IP tracking.

Senior User XR/AI Prototyper
Apple, USA — 2020 – 2022

Specialized in the development of interactive experiences, focusing on sophisticated voice and audio interactions.

- Developed AI/ML prototypes to enhance user experiences.
- Managed end-to-end deployment and conducted user research.
- Utilized Unity3D, Swift, and backend infrastructure tools.

Lead AI User Interaction Engineer
Magic Leap, USA — 2016 – 2020

Engineered immersive, end-to-end mixed reality experiences by integrating advanced computer vision and artificial intelligence technologies.

- Led prototype development for AI algorithm testing.
- Released production API and SDK for developers.
- Trained models to enhance user interactions.

CTO, Co-founder
BeClose — 2018 – 2020

A mobile app that connects kids with family through real-time video and interactive games, fostering more meaningful interactions.

Software Engineer
Yahoo!, USA — 2015 – 2016

Led the video team in Android mobile development, specializing in live streaming algorithms.

Interactive Engineer
Freelance, USA — 2012 – present

Crafting immersive experiences that enrich daily life with storytelling.

- Developed Web3 applications to facilitate the transition from Web2 to Web3.
- Developed mixed reality installations and mobile experiences.
- Created interactive AI-driven experiences to improve productivity.
- Created interactive AI-driven experiences using Arduino and LED technology.
- Implemented real-time computer vision for blob detection and tracking in immersive environments.

CODING

Languages : Typescript/Js, Python, C++, C#, Swift, Solidity, SQL, CSS

Frameworks: Unity3D, React /NextJS, React Native, Flask, PyTorch, Foundry

DETAILS

Portfolio
www.thinkmariale.com

Location
San Francisco, California

Phone / Email
+1 (518)-860-2199
thinkmariale@gmail.com

EDUCATION

Carnegie Mellon University
GPA 3.7/4.0 - 2015

MS. Focuses computer vision, entertainment technology

Rensselaer Polytechnic Institute
GPA 3.5/4.0 - 2012

Dual Degree: B.S. Computer Science and B.S. Electronic Media, Art & Communication

SKILLS

- Prototyping
- Architecture
- Product
- R&D
- Fullstack
- Backend
- Frontend
- Web3
- AWS