**Michael Alcala**

**[alcalamichael00@gmail.com](mailto:alcalamichael00@gmail.com)**

**210-573-9738**

**Technical Skills:**

**Languages:** C#, C++, Python, Java, JavaScript, SQL

**Developer Tools:** Unreal Engine 5, Unity3D, Shader Graphs, Perforce, OpenGL, PySpark, Kivy, Power Apps, Visual Studios, SharePoint, Nintex, Office Dynamics 365

**Technologies/ Frameworks:**  AR, VR, 3D Math, Windows, GitHub, Hadoop, Chat GPT (Hugging Face)

**Certification:**

* Sales Force Sales Operations Specialist
* Generative AI Professional
* Database and SQL Professional
* Certified Python Programmer
* Unity Associate Training

**Experience:**

**Contract/Consultant May 2022 – Present**

**Python/Java Developer** **Remote**

* Tutored, Mentored, and Led students on Wyzant to achieve high school and college goals using Java, and Python increasing scores by up to 400%.
* Improved and Maintained **Multiplayer Racing game** (With 750K Users) decreasing memory usage by 35% using **Photon**, Python and Unity3D.
* Developed and integrated a **Unity and SQL database** system for Hood Rat Snacks, streamlining order processing and customer management; improved order accuracy by 40% and reduced processing time by 50%.
* Developed and **Optimized Shaders and Graphics in VR** games.

**Digital Nomad Entertainment May 2024– September 2024**

**UE5 Game Programmer**

* Constructed **Enemy AI** blueprints and C++, commenting code to increase readability/usability by 100% using Unreal Engine 5.
* Updated game-play controls to increase productivity by 75% using UE5’s Enhanced Input System.
* Contributed to New Moons, a First Person Shooter.

**Magical Play Games August 2022 – Present**

**Lead Game Developer Dallas, Texas**

* Produced an Android web scrapper app for fortnight that increases accessibility of tracking by 65% using Kivy MD and Python.
* Launched Android App to the Play Store increasing accessibility by 100%.
* Developed the basics of an **Artificial Neural Network in 3 languages** including Python. Increased AI intelligence and predictions by 95% with positive correlation of 99% for use in Unity3D.
* Constructed a static **Ray** Tracer using OpenGL that can develop pictures and videos at 70% efficiency.

**Infosys Limited Inc August 2022 – September 2024**

**Python Developer Dallas, Texas**

* Designed a 4 stage asset management system to enhance organization by 65% using Power Apps and Python.
* Built an application to manage and govern evidence of compliance with GRC controls for a large US bank, using SharePoint and Python improving compliance requirements by 90%.
* Created **AI Generative programs** for internal research products to help study Chat GPT using Python’s Hugging Face and other API’s increasing company knowledge by 45%.

**Education:**

**Bachelor of Science in Computer Science - Texas A M University Corpus Christi – Texas - 2022**