Zachary Bracken
Games Programmer
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PROFESSIONAL SKILLS

Gameplay Programming
Systems Programming
Tools Programming
Technical Design
Game Design
Agile Scrum

TECHNICAL SKILLS

Languages:
- C++
- C#
- Lua
- Blueprint
- Python
- XML
- Powershell

Engines:
- Unity
- Unreal 4
- Game Maker Studio
- PICO-8

Software:
- Perforce
- Jira
- Azure Dev Ops
- Git
- Visual Studio

APIs:
- Stbi
- OpenGL
- SDL2
- Emscripten

LIGHTSPEED STUDIOS – INCUBATION PROJECT

GAMEPLAY ENGINEER 3   **SEP 2024 – PRESENT**
- Implemented Gameplay Systems such as Missions, Crafting, and Loot Tables.
- Integrated Vivox into the Unreal 5 project to enable voice chat.
- Utilized the Gameplay Ability System when architecting features.
- Collaborated with Design and Art to rapidly prototype gameplay.
- Helped fill the gaps of a small team by wearing many hats(Design, UI, Tools).

BLIZZARD ENTERTAINMENT – SURVIVAL GAME

GAMEPLAY ENGINEER   **JAN 2023 – JAN 2024**
- Owned "Crafting" and contributed to other Survival Game Systems.
- Supported multiple feature teams as a generalist implementer.
- Iterated and developed scripting patterns for a new proprietary engine.
- Onboarded multiple Designers and Engineers onto the engine.

ASSOCIATE GAMEPLAY ENGINEER   **JUNE 2021 – JAN 2023**
- Created a range of Gameplay Features in Unreal 4 using Blueprint and C++.
- Developed tools to help Designers make content easier and faster.
- Designed some of the first gameplay systems in a new proprietary engine.
- Assisted in bringing an Unreal 4 vertical slice prototype to fruition.

TURN 10 – FORZA MOTORSPORT

AUTOMATION ENGINEER   **JULY 2019 – APRIL 2021**
- Helped uphold our C++ and C# automated testing framework.
- Created tools and scripts to empower developer workflows.

THINK ARCADE - FROSTRUNNER

LEAD PROGRAMMER   **JULY 2018 – DEC 2018**
- Integrated Steam API to implement our leaderboard system.
- Developed tools, as well as fixed bugs and gave general support.

EDUCATION – SMU GUILDHALL

Major: Software Development Specialization.   **2019**

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