

# Caleb Addison

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<https://calebaddi.github.io/addicoding/>

## Experience

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**Once Lost Games – Gameplay Programmer (Contract)** **February 2023 – June 2024**

- Performed bug fixes and tested code for efficiency and performance
- Led programmer meetings and mentored junior programmers
- Built gameplay systems and improved upon existing ones utilizing C++ and Blueprints in Unreal Engine
- Committed 300+ times to the project on GitLab

**Ocean Aero – Software Engineer** **November 2022 – July 2023**

- Worked on the full stack development of the GUI utilizing Laravel, JavaScript, PHP, and MySQL
- Helped developed the TRITON's AI using Python
- Created simulations using Unreal Engine to take semantic segmentation images for deep learning and used them to train the AI
- Assisted with mission planning for on-water testing of the AUSV
- Installed and configured Linux systems, along with upgrades and maintenance

## Projects

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**Once Lost Games – September Build Project (C++ and Blueprints)** **July 2023 – September 2023**

- Completed a vast checklist of over 30 vital bug fixes and code optimizations to ensure smooth, playable gameplay
- Collaborated with other programmers to problem solve difficult issues
- Implemented the first big revision of the water system and the first initial setup of the weather system that works in tandem with the water and cosmology systems

**Personal Game Project – The White Pages (C++ and Blueprints)** **March 2024 – Present**

- Constructed modular interact system
- Developed advanced AI using behavioral trees
- Developed advanced mechanics for player character
- Created an enemy AI that uses sight and sound to locate player character

**Ardenfall – Ardenfall Demo (C#)** **September 2023 – January 2024**

- Performed bug fixes to improve gameplay performance in Unity
- Contributed to improving the leveling system and dialogue system
- Fixed bugs in the stamina system
- Playtested the build to ensure quality gameplay performance for the latest update on Steam

## Education

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**Southwest Mississippi Community College**

**August 2016 – May 2018**

*Computer Science – Network Pro Certification*