

# Graham Black

• 9082469149 • gblack0619@gmail.com • 3 Grant Court • [Linkedin](#) • [Portfolio](#)

## SUMMARY

Detail-oriented Software Engineer and Information Technology major specializing in game development, systems integration, and cloud-based applications. Experienced in developing, testing, and deploying software across multi-server environments. Skilled in Python, Bash, and Java scripting, AWS configuration, and agile collaboration. Recognized for strong problem-solving, adaptability, and delivering quality software solutions that meet both user and business needs.

## EDUCATION

**Bachelor of Science in Information Technology Specialization in Game Development** Jan 2023 - Dec 2025

**New Jersey Institute of Technology** Newark, NJ

**Associates of Science in Computer Science Specialization in Programming** Sep 2020 - Dec 2022

**Raritan Valley Community College** Branchburg, NJ

## KEY SKILLS

Languages: Python, Bash, PowerShell, Java, C++, C#, PHP, TypeScript, HTML, CSS, SQL/MySQL  
Cloud & Systems: AWS, Linux (Ubuntu), Windows Server, Multi-VM Configuration, Networking, System Administration  
Tools & Frameworks: Git, GitHub, Trello, RabbitMQ, Phaser (JavaScript engine), Unity, Unreal Engine  
Practices: Agile / Scrum, CI/CD fundamentals, Software Deployment, Scripting Automation, API Integration, Testing & Documentation, Troubleshooting

## PROFESSIONAL EXPERIENCE

**Project Manager/Developer** Sep 2025 - Dec 2025  
**Navitend** Newark, NJ

- Orchestrated development of a TypeScript game with a team of 4 students, utilizing Node.js within an agile workflow to create 3 engaging levels
- Optimized development environments for a small team utilizing GitHub, enhancing collaborative workflows & streamlining version control processes
- Enhanced project collaboration by organizing meetings via Discord, fostering teamwork & driving engagement among team members
- Pioneered time management strategies using Trello, enabling project completion ahead of schedule & enhancing overall efficiency

**Web Dev Instructor** Jun 2025 - Aug 2025  
**Arrayscape Gaming** Linden, NJ

- Taught HTML, CSS, JavaScript, and frontend logic, mentoring students on software problem-solving and debugging.
- Deployed web projects to hosted environments and guided students through version control workflows with Git.
- Strengthened communication and customer-service orientation through one-on-one instruction and technical troubleshooting.

**STEM Instructor Intern** Jun 2024 - Aug 2024  
**Lavner Education** Cherry Hill, NJ

- Delivered engaging instruction on Robotics, Game Design, and Programming to elementary and middle school students in both group and one-on-one settings, enhancing student participation and comprehension.
- Assisted in the setup, maintenance, and troubleshooting of on-site computer hardware, software, and internet connectivity to ensure a seamless learning experience.
- Served as a positive role model, fostering an inclusive and professional environment while promoting teamwork, boosting morale, and facilitating open communication among campers and staff.

## PROJECTS

**Systems Integration Project - Role: DMZ Creation** Jan 2025 - May 2025

The project involved integrating a third-party data source with a custom front end through a multiple-server environment which was run through multiple virtual machines. I was responsible for the creation of the DMZ and connecting an API to the virtual machine that was running the database.

- Helped with other sections of the project like frontend, backend, and database.
- Developed PHP-based sections optimizing database queries to enhance overall system performance
- Integrated the backend using RabbitMQ, enhancing system reliability with demonstrated expertise in RabbitMQ implementation

## **Shadow Keep Game - Game Design Project - Role: Level Design, UI Design**

Jan 2025 - May 2025

The project was a game creation where, in a group of 3, we created a 2D platformer with different functions like animation, level transition, enemies, and bosses.

- Crafted a project on Unity Engine that significantly boosted user engagement
- Collaborated on UI design in C++ by developing customized buttons & menus, resulting in increased user interaction & enhanced visual appeal & functionality
- Designed intricate levels in Unity featuring interactive & puzzle elements for seamless transitions