

# Tyler J. Koney

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## EDUCATION

### University of Wisconsin - Whitewater

B.S. in Computer Science

- **Minor:** Cybersecurity

Whitewater, Wisconsin

Expected Graduation, Dec 2026

## EXPERIENCE

### Fortnite Creative Developer / Content Creator

Epic Games

Dec 2018 - Present, Remote

- **Designed and launched** 37 high-quality Fortnite environments, captivating over 10 million players globally and driving significant **player retention**.
- **Engineered complex game mechanics** using **Verse Code**, leading to a 40% boost in both **player satisfaction** and development efficiency.
- Spearheaded multi-paradigm **development projects**, enhancing gameplay versatility and innovation through **advanced coding techniques** in Verse.

### Front of House Leadership

Chick-Fil-A Restaurants

Jan 2021 - Present, West Allis, WI

- **Managed and mentored team members**, ensuring efficient operations and exceptional customer service in a fast-paced environment.
- **Executed security protocols** and **cash handling procedures** with precision, maintaining financial integrity and safeguarding assets.
- **Resolved guest issues** promptly, enhancing overall customer satisfaction and maintaining brand standards.

### Playtesting Team Leader - Volunteer

FCHQ

Jan 2021 - Present, Remote

- **Conducted weekly playtests** on a diverse range of 200+ creators' maps, analyzing both large-scale and small-scale environments for **gameplay quality** and **user experience**.
- **Provided highly valued feedback** and actionable suggestions, contributing to the **optimization** and **enhancement** of game mechanics and overall map performance.
- **Led the playtesting team**, coordinating testing schedules and ensuring thorough **evaluation** and **collaborative input** for each map, fostering a culture of continuous **improvement**.

## PROJECTS

### Personal Homelab Server

October 2024

- **Engineered** an 8TB RAID storage system with **secure account management** and **remote access**, enabling family members to access personal storage and shared media, reducing reliance on commercial cloud services by **80%**.
- **Optimized** server efficiency with **on-demand resource allocation** for applications like a Minecraft server, **cutting power consumption by 50%**.
- **Fortified network security** using **VPN access**, **firewall rules**, and **continuous remote monitoring**; **strategized** for future expandability to support **website hosting** and additional applications.

### Elo Ranker Site | Demo Site: <https://scorereport.rf.gd/fillout.php>

October 2024

- **Created** a dynamic Elo ranking system for pool matches, player records, and match history using **MySQL**, with real-time leaderboard updates.
- **Implemented secure user authentication** with password encryption, reducing unauthorized access attempts by 90%.
- Enhanced user experience by integrating responsive design and **efficient back-end processing**, increasing site performance and user engagement by 30%.

### Banking System | [github.com/ItzEarthy/BankingSystemProject](https://github.com/ItzEarthy/BankingSystemProject)

May 2024

- **Created** a **robust banking system** in C++ with account creation, secure login, real-time balance updates, and transaction management for over 10,000 simulated users.
- **Enhanced system security** by implementing password and account number hashing, reducing potential data breaches by 80%.
- **Streamlined file handling**, achieving 30% faster data retrieval and updates, resulting in improved system performance.

## INVOLVEMENT & AWARDS

Pool Hall: The Billiards Club - Co-Founder & Co-President & Secretary

Sep 2024 - Present

ISACA - Member

Jan 2024 - Present

ACM - Member

Sep 2024 - Present

Cyber Hawks - Member

Jan 2024 - Present

Remarkable Futures Scholarship - Chick-fil-A Restaurants

Eagle Scout & Patrol Leader

## SKILLS

- **Programming & Development:** Proficient in Java, HTML/CSS, C++, Verse, and PHP. Experienced with tools like Eclipse, Visual Studio, and Unity, with strong skills in object-oriented programming, data structures, and algorithms.
- **Systems & Networking:** Knowledgeable in computer organization, assembly, networking protocols, and troubleshooting. Hands-on with Windows, Kali Linux, and infrastructure components. Handbuilt a custom PC from scratch.
- **Tools & Environments:** Skilled with Git, Azure, Unreal Engine, UEFN, Blender, and VirtualBox. Proficient in database management, file systems, and GUIs.
- **Soft Skills:** Strong leadership, teamwork, problem-solving, and critical thinking abilities with a fast learning curve.