

Tyran Rice Jr.

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PROFESSIONAL SUMMARY

Software Engineer and Game Developer with a strong background in AI, full-stack development, and gamification. Graduate of the University of Delaware (B.S. Computer Science, Math minor, GPA 3.5) with proven leadership as a Resident Assistant, Game Development Club president, and esports team leader. Recognized for innovation through hackathons and game jams, earning \$2K+ in awards. Known for a relentless drive, creative problem-solving, and effective collaboration, with a passion for building impactful, forward-looking technology.

SKILLS, CERTIFICATES & AWARDS

- **Software/Programs:** Github, Git, React, Angular, RStudio, Firebase
- **Languages:** Java, JavaScript, HTML, CSS, Typescript, R, TailwindCSS
- **Soft/Hard Skills:** Full-Stack Development, Data Structures, Agile/Scrum, SEO, Code Reviews, Leadership Experience, Problem Solving, Critical Thinking, DevOps, Adaptability, Creativity, Study Abroad Experience
- **Certificates:** Certified ScrumMaster (Scrum Alliance), Supervised Machine Learning (DeepLearning.AI), Java Basic (HackerRank), Responsive Web Design (freeCodeCamp), Competency in AI Promoting Essentials (CompTIA).
- **Awards:** \$1600 1st Place Award Hosted By The University Of Delaware's 2023 Hackathon, \$500 Best Women Leadership 2024 Game Award Hosted By The University Of Delaware & Funded By The National Science Foundation, Won Best Use Of Outside Editorial Resource At The 2025 Datafest Hosted By The University Of Del.

RELEVANT PROJECTS

Error Detection: Senior Design Project

Aug 2024 - May 2025

Full Stack Developer & Project Manager

- Rebuilt and enhanced a React + Firebase web application for musical training, implementing user authentication, exercise filtering, and automated answer validation to improve usability and functionality.
- Strengthened backend resilience by mitigating security vulnerabilities (e.g., spoofing threats), ensuring safer user interactions.
- Promoted to Project Lead in the second semester; managed a 5-member team using Agile sprints and weekly scrums, delivering iterative improvements and maintaining project momentum.

Post-Pandemic Office Spaces: Hackathon Project

May 2025 - May 2025

Software Developer & Data Analyzer

- Created a presentation organizing and analyzing a large dataset given by Savillis for a hackathon hosted by The University Of Delaware and the Data Science Institute.
- Incorporated a concise hypothesis from the given data using data visualization with graphs/charts and the use of outside datasets and resources from The U.S. Bureau Of Labor Statistics.
- Presentation won 'Best Use Of Outside Resources' at the event, winning over 15 other different teams of size 3-5.

ESports Arena Scheduler: Fullstack Website

Aug 2024 - Dec 2024

Full Stack Developer

- Architected and deployed a full-stack scheduling platform using Angular, REST APIs, Node.js, and SQL database integration to coordinate esports team reservations across multiple venues.
- Implemented JWT-based authentication, role-based access control, and responsive UI components for streamlined usability and security.
- Optimized backend queries and API calls, improving system performance by ~50% under concurrent estimated user load.

EDUCATION

Code Differently, Wilmington, DE

Aug 2025 - Present

Career Readiness & Tech Bootcamp

University of Delaware, Newark, DE

Aug 2021 - May 2025

College Of Engineering | Bachelor Of Science (B.S.)

Major: Computer Science & Minor: Mathematics

EXPERIENCE

University Of Delaware, Newark, DE

Feb 2023 - May 2025

Residential Assistant

- Directed 30+ residents per semester, promoting community, inclusivity, and academic success through curated social, cultural, and educational programs.
- Coordinated and executed 10+ large-scale events (attendance ranging 50–150 residents), boosting student engagement and retention.
- De-escalated high-stakes conflicts, conducting on-call crisis management for incidents such as medical emergencies and behavioral disputes.

Home Mattress Center, Wilmington, DE

June 2023 - Aug 2023

Website Manager & SEO

- Enhanced organic search visibility by implementing on-page SEO (keyword optimization, metadata), off-page strategies (backlinks), and technical SEO improvements (page speed, mobile responsiveness).
- Increased site impressions by ~25% over 3 months, driving measurable traffic growth and customer engagement.
- Monitored and analyzed performance via Google Analytics, providing bi-weekly reports with actionable insights that improved conversion funnel efficiency.