CHERISH FARMER

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EDUCATION

Vanderbilt University   Nashville, TN
Bachelor's degree in Computer Science and Psychology, Minor in Art   *Aug. 2022 – May 2026*
- Questbridge Scholar, Dean's List

TECHNICAL EXPERIENCE

Software Engineering Intern   Nashville, TN
Iron Galaxy Studios   *May 2025 – Aug. 2025*
- Prototyped and implemented gameplay systems in Unreal Engine for a AAA sports simulation title for research and development, applying object-oriented programming principles and modular code design.
- Collaborated with a 14-person Agile team, participating in sprint planning, code reviews, and daily stand-ups using Jira and Perforce, practicing version control and team-based software engineering workflows.
- Rebuilt Minesweeper in 68k Assembly to deepen understanding of low-level programming, memory management, debugging, and algorithm optimization, improving runtime efficiency by 40%.

Undergraduate Research Assistant   Nashville, TN
The Wallace Lab, Vanderbilt University   *Sept. 2025 – Present*
- Developed Unity-based auditory training modules using C# scripting and data-driven design, leveraging algorithms and data structures to assess auditory perception in research participants.
- Refined gameplay logic, UI systems, and event handling through iterative playtesting and unit testing to support accurate experimental data collection.
- Collaborated with interdisciplinary researchers to translate experimental goals into interactive software prototypes, emphasizing modular design and maintainable code.

LEADERSHIP & COMMUNITY ENGAGEMENT

General Manager   Nashville, TN
Sweet Dots   *Aug. 2022 – Present*
- Increased team efficiency by 30% by creating and maintaining weekly staff schedules using Google Sheets automation and structured shift planning.
- Improved employee retention by 25% by recruiting, training, and mentoring 10+ new hires with consistent feedback systems and onboarding documentation.
- Enhanced order accuracy and client satisfaction by coordinating catering fulfillment and optimizing communication processes with owners and staff.
- Currently prototyping an internal scheduling app to replace manual spreadsheets and automate shift coordination.

Co-President   Nashville, TN
Vanderbilt University Concert Band   *Apr. 2024 – Present*
- Oversaw weekly executive board meetings and coordinated four performances per semester.
- Improved communication by developing and deploying the band's first website using HTML, CSS, and JavaScript, used by 40+ members.

Art Lead   Nashville, TN
Vanderbilt: Programmers of Gaming   *Jan. 2024 – Present*
- Directed visual design and integrated 50+ art and UI assets into Unity game builds.
- Improved cohesiveness by directing creative production of a 10-person group of artists and developers for our game, *Coffeepocalypse*.

SKILLS & INTERESTS

Coding Languages: Java, C, C++, C#, Python, JavaScript, TypeScript, HTML/CSS

Frameworks & Tools: React, Node.js, MongoDB, REST APIs, Git/GitHub, Linux, Jira, Perforce, Unity, Unreal Engine

Core Skills: Agile Development, Leadership, Teamwork, Communication, Problem-Solving, Time Management

Interests: Weight-Lifting, Thrifting, Jazz