

Ryan Bieker

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

Tools: Git, GitHub, Azure DevOps, Visual Studio, Visual Studio Code, Unreal Engine 5, Blender

EDUCATION

Texas State University, College of Science and Engineering

San Marcos, TX

Bachelor of Science Computer Science, Minor in Applied Mathematics.

Expected Graduation May 2025

Organizations: Game Developers Society, Google Developer Student Club, Fencing Club – Sabre Team Captain.

Honors: Dean's List Spring 2024.

PROJECT EXPERIENCE

Bleak Contact

- Developed a game in Unreal Engine 5 using Visual Blueprints and C++ for gameplay programming.
- Game design, level design, and animation work through the engine and Blender.
- Over 10,000+ Impressions and reached the New and Popular tag for itch.io.
- Version control with Git through Azure DevOps.

War Card Game

- Developed a software game in Java against an AI based on the card game War.
- Utilized software engineering principles using the agile methodology and code reviews in a team environment with version control in Git and documentation in Javadoc.
- Designed game mechanics and interactions through object-oriented game programming with over 3 million possible player configurations.

Wordle

- Developed a game in C# using a dictionary of over 1,000 stored words to guess with colored feedback
- Implemented game mechanics, scripting, and game design through prototyping and agile methodology.
- Version control in Git over multiple iterations with in depth testing and debugging on Windows Forms.

WORK EXPERIENCE

Scala

San Marcos, TX

Software Engineer

January 2024 – Present

- Developed websites in JavaScript, HTML, and CSS for clients' websites while collaborating with UX/UI designers in Figma and Adobe Illustrator.
- Refactored JavaScript for optimization to improve site loading time and responsiveness.
- Early hire on to the startup team.

Curacao

Walnut Springs, TX

Website Optimization Intern

May 2021 – August 2021

- Studied user testing data of JavaScript to optimize site responsiveness across multiple mobile and desktop platforms and browsers.
- Implemented customer usability enhancements which increased website conversion from 3% to 5.2%.
- Reviewed web page SEO with metadata for Google Analytics.

Certifications

Certifications: TestDome C++ Silver, TestDome Data Structures and Algorithms Silver, TestDome HTML/CSS Gold, TestDome OOP and Design Patterns Silver, TestDome Graphic Design Silver, TestDome Cybersecurity Silver, Alkek One Blender 3D Micro-Credential.