

# Trevor Blanchard

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## EDUCATION

**Merrimack College**, North Andover, MA  
*Bachelor of Science in Computer Science*  
Minor: Mathematics

December 2021  
GPA: 3.174

**Relevant Courses:** Problem Solving with Programming, Object Oriented Programming, Analysis of Algorithms, Data Structures, Data Base Principles, Theory of Computation, Operating Systems, Cryptography, Computer Architecture, Computer Graphics, Artificial Intelligence, Programming Language Principles, Probability and Statistics, Discrete Mathematics, Calculus I, II and III, Foundations of Data Science, Creating Information Graphics

## TECHNICAL SKILLS & KNOWLEDGE

C#, C, Java, JavaScript, MySQL, Microsoft Office, C++, PostgreSQL, R, Tableau, HTML, git, Bitbucket, Sitefinity License (eff. July 2022), NH Scholar STEM Recipient (Manchester West High School)

## PROFESSIONAL EXPERIENCE

**Engineer I**, *SilverTech, Manchester, NH*

February 2022 – May 2023

- Internship (February 2022 through April 2022). Offered permanent position in May 2022 as Backend Engineer.
- Coded and implemented new websites and web solutions using the latest .NET and C# through Sitefinity.
- Maintained and upgraded existing .NET solutions.
- Manage multiple projects in a fast-paced, deadline-driven environment.
- Tested coding and reviewed/corrected coding of peers.
- Remediated PDFs using Adobe Acrobat.

## PROJECTS

**Theatre: Ugly Lies the Bone AR App for Merrimack College Theatre Program**

4 months | Fall 2021

- Created an intuitive, minimalistic website interface using JavaScript, HTML, and CSS. Functionality includes: Clickable buttons.
- Created an Augmented Reality (AR) app for Android and IOS phones using C# in Unity.
- Used Firebase Database to store a value that determined which scene the AR app will be displaying on people's phones. The buttons on the website were used to change the value in the database acting like a controller.

**Computer Science Artificial Intelligence: Poem creator**

2 months | Spring 2021

- Worked in a small group on creating an AI that can create its own unique poem based on a database of other poems. Created using Java.

**GamerFit, Web App for Merrimack College**

4 months | Fall 2020

- Created an intuitive, minimalistic website interface using JavaScript, HTML, and CSS. Functionality includes: Clickable buttons, Editable text input fields, and Scrollable lists.
- Worked with my school to get server space to create, integrate, and host the MySQL database behind all of our stored data. The functionality of the database includes: Account creation, logging into an account, the logging of a child's tasks, the retrieval of a child's information, and the retrieval of the coach's information.
- Utilized Node.js to connect our website to the database. Had to learn about asynchronous functions, XML(AJAX), the differences between POST and GET requests, and creating/extracting JSON data.
- Used Bcrypt.js to encrypt and decrypt sensitive information to and from the database. Had to be extremely conscious of security and privacy because the app was designed for children.

**NH Department of Health & Human Services: Access Database Testing Module**

3 months | Summer 2020

- Created a Microsoft Access Database using SQL for managers to create and administer unit specific multiple-choice tests for staff. This is used to assist managers in determining staff knowledge and to develop training programs for the staff. The database provides reporting tools for managers to determine staff knowledge, specific areas that need training, and completion rates.