Dylan Buchheim
Computer Scientist

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A curious, passionate computer science student with a strong background in mathematics, software development, and a proclivity for learning new skills. Aspiring to join a team and utilize excellent communication, problem-solving, and development skills in order to make a measurable impact.

Experience

Independent Mobile Application Development - 2019

Designed, developed, and self-published a mobile game to the Apple App Store which accrued over 20,000 unique page views and sold over 500 copies.

Skills Exhibited

- Constructed a custom, procedural generation algorithm capable of creating thousands of unique level configurations.
- Implemented cloud game state saving.
- Engaged in an iterative software development cycle over several months of refining the product.
- Honed research and self-teaching abilities by acquiring all necessary skills for the project independently.
- Polished professional communication through correspondence with product testers and customers.

Software / Languages Utilized

C# ● Visual Studio ● Unity ● XCode

Web Application Development | Volunteer Project - 2020

Currently developing an educational web application as a volunteer project for Shadow Forest Elementary. The web application will serve as an engaging way for young students to learn problem-solving, critical thinking, and basic programming skills.

Skills Exhibited

- Creation of a visual scripting interface that introduces cognitively appropriate programming concepts to the students.
- Implementation of various problem-solving puzzles that students complete using the visual scripting interface.
- Development of visually appealing, responsive web site.
- Deployment of a web application to a web server.
- Professional and effective communication with the project supervisor.

Software / Languages Utilized

C# ● HTML5 ● CSS ● JavaScript ● Visual Studio ● Unity

Education

BS in Computer Science, Minor in Mathematics – GPA: 3.97

Texas Tech University
Lubbock, TX
Expected Graduation Date:
Dec. 12, 2020

Selected Coursework

- Machine Learning
- Embedded Systems
- Parallel Programming
- Data Mining
- Computer Networks

Achievements

- Presidential Scholarship Recipient
- President's List for 6 semesters

Skills

Technical Skills

Languages
C#, C++, C, Java, Python, R, HTML, CSS, JavaScript, SQL

Web Development Frameworks
Angular, Bootstrap

Tools
Visual Studio, Eclipse, RStudio, XCode, Git, GitHub, Unix Shell, MySQL, Unity

Soft Skills

- Adaptability
- Independence
- Dependability
- Problem Solving
- Creativity
- Collaboration
- Communication
- Desire to Learn