Ryan Bui

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Education
Bachelor of Science in Computer Science   GPA: 3.1
The University of Texas at Dallas, Richardson, Texas

Programming Languages and Software
Languages: C#, C++, CSS, Java, JavaScript, HTML, Python
Operating Systems: Linux, Windows
Frameworks: Bootstrap
Tools: GitHub, Eclipse, NetBeans, MS Visual Studio, XNA Game Studio, Unity, Vuforia

Projects
Augmented Reality App: Capital One and walkSTEM
- Created an augmented reality app for the iPad to teach visitors at the Capital One Plano campus STEM concepts.
- Used Unity and Vuforia to track images and then displayed video about the image on top of the picture.
- Displayed information panels correlating to the image tracked to provide the user with information about the person in the picture.

Portfolio Website
- Created using HTML, CSS, and JavaScript.
- Includes various projects with links to personal GitHub, LinkedIn, and resume.

Drawing App
- Implemented a web drawing application using HTML, CSS, and JavaScript.
- Uses HTML canvas element to draw graphics, create shapes, and add images.

Discord Bot
- Created using python and an API wrapper for discord written in python.
- Used discord.py to create a discord bot that responds to various commands.

Cloth Simulation
- Worked with team to create a 3D simulation of a cloth using C++ and OpenGL.
- Implemented cloth collision and intersection with a sphere.

XNA Racer
- Created a 2D, top-down racing game using C# and XNA Game Studio.
- Applied 2D bounding box collision detection to car, obstacles, and boundaries.

Experience

Pharmacy Technician Intern, Walgreens Pharmacy, Pearland, Texas   Spring 2014
Worked under the direct supervision of a licensed pharmacist to process prescriptions, dispense medication, and perform technical pharmacy-related functions.