

Rahul Bilimoria

Computer Scientist

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Creative software developer specializing in virtual / augmented reality with a strong background in computer graphics, math, and problem solving. Looking to provide creative ideas and solutions to new software.

Experience

2017-09 - 2017-12 Computer Graphics Teaching Assistant

Ryerson University

- Marked assignments written using the OpenGL Library
- Responsible for marking midterms and exams
- Provided assistance to students writing assignments

2017-05 - 2017-09 Virtual Reality Developer

Ryerson University

- Assisted in setting up new VR workspace
- Updated labs to be compatible with Leap Motion technologies

Education

2013-09 - 2017-12 Ryerson University, Bachelors of Computer Science (Honours)

- Relevant Courses: Computer Vision, Virtual Reality, Computer Graphics, Linear Algebra
- Minor in Mathematics

Additional Activities

2017-01 - 2017-04 Virtual Reality Escape Room Game

C# Development

- Modeled and developed interactions for custom made household objects
- Programmed scripts and interaction for items imported from the asset store
- Implemented level design, puzzle layout, and user navigation

2016-09 - 2016-12 Submarine Game

C++ Development

- 3-Part assignment developed in C++ using the OpenGL Library
- Implemented 3D modelling of submarine, metaball generated terrains, AI, and collision detection
- Implemented timers to allow for animation

Skills

Unity VR Development (Developed a small range of apps for the HTC Vive utilizing C# scripting, object pooling, and safe implementation to reduce the chances of sickness)