

Matthew Ratzell

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OBJECTIVE

Seeking a game development co op/internship using strong programming skills in C# and Unity; however, all software development and programming positions are welcomed!

Available May 2021 - Jan 2022.

EDUCATION

Rochester Institute of Technology(RIT), Rochester, NY
Bachelor of Science, Game Design and Development

Expected May 2022

GPA: 3.88

Related Courses: Web Design and Implementation(HTML/CSS/javascript), Interactive Media and Development(C#/Unity), Data Structures and Algorithms(C++ with an emphasis on production of external DLLs and accurate unit testing), and Geographical Visualization(ArcGIS Pro)

SKILLS

Programming Languages: C#, C++,Javascript

Other Languages/Markups: HTML,CSS

Game Engines: Unity, Monogame, Box2D with SFML

Operating Systems: Windows

Other Software/Skills: GitHub and most version control platforms, very comfortable with Visual Studio

PROJECTS

Forces of Nature, Team Game

4 Months

- Collaborated with a team of 5 to design and develop a tile based RPG while taking advantage of the monogame framework.
- Completed and kept in depth documentation to maintain a successful production.
- Programmed and coded game logic in C#/Monogame with an emphasis on intelligent use of proper data structures.

Winter Wonderland, Level Design and Creation

- Modelled and unwrapped corresponding game assets in Maya.
 - Utilised Unity's built in terrain system as well as Photoshop to create beautiful grass.
 - Created textures for corresponding game objects including, normal maps, ambient occlusion maps, albedo maps, metallic smoothness maps, as well as roughness maps.
 - Utilised Zbrush's high polygon capabilities in order to create textures so that they may be applied to their lower poly counterparts in order to maintain high definition details without considerable impact on system hardware.
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WORK EXPERIENCE

EDP(Eastern Development Program)

March 2015-Present

Independent Contractor

Hammonton, NJ

- Prepare and set up required structures pertaining to soccer tournaments while working together in a team of contractors.
- Maintain and clean fields and soccer facilities as necessary.
- Direct upwards of 10,000 individuals/cars quickly and safely to ensure both a great user experience, and to maintain proper traffic flow on public roads.

Tuckahoe Turf Farms

March 2019 - Aug 2019

Shop Assistant/Mechanic

Hammonton, NJ

- Maintained proper working conditions of farm equipment while learning under a more experienced mechanic.
 - Cleaned and maintained shop facilities.
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