A black background with a black background

Description automatically generated with low confidence

[jl4312.github.io/](https://jl4312.github.io/)

[artstation.com/jl4312](http://www.artstation.com/jl4312)

**Joseph Lu**

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**EDUCATION**

**SKILLS**

**WORK**

**EXPERIENCE**

**PROJECTS**

**VOLUNTEER**

**VOLUNTEER**

**Rochester Institute of Technology (RIT),** Rochester, NY

Bachelor of Science in Game Design and Development

Minor in Modern Languages: Chinese

RIT Honors Program

**Software:**

Maya, Mudbox, ZBrush, Photoshop, 3DCoat, Substance Painter, Substance Designer, After Effects, Unity, Unreal Engine, MonoGame, Microsoft Visual Studio, Processing, xNormal, Eclipse, Notepad++, Brackets, Microsoft Excel

**Programming Languages:**

C#, Java, JavaScript, C++, HTML5, CSS

**Artistic:**

3D Modeling (Organic, Hand Surface), Texturing (Hand painted, PBR Workflow), Retopology, UV Unwrapping, Rigging & Animation, 3D Sculpting, 2D Illustration, Shuriken Particles, Unity/Unreal Shader Graph

**Languages:**

English (fluent), Mandarin (intermediate)

**3D Developer, Cedar Band Cooperation, Suhdutsing Telecom,** Fort Lee, VA

* Create Unity products for clients to serve their goals to educate US soldiers.
* Create project workflow, architectures, UX/UI, and data management in Unity.
* Optimize asset creation methods, improved product development, and research method to better service the clients.
* Create photorealistic models, create PBR textures, write custom shaders and art integration in Unity.
* Deploy apps for Android, iOS, and WebGL.

**Game Design Intern, Wooga,** Berlin, Germany

* Researched and wrote documents that highlighted features Match3 mechanics.
* Designed Match3 levels using company’s custom engine.
* Created custom JS scripts for Google Spreadsheet that improved populating config and checked for errors reducing a process that took a minimum of 30 minutes to a few seconds with a click of a button.
* Tested for bugs and created bug tickets for designated team members.

**Teaching Assistant, RIT**, Rochester, NY

* Assisted in teaching students modeling and animation using Maya.
* Provided feedback and graded student assignments.

**Flicker Fortress -** [**https://aquilateam.itch.io/flickerfortress**](https://aquilateam.itch.io/flickerfortress)

* 3D puzzle platformer where the character melds into electrical appliances to solve level puzzles.
* Modeled and textured the character props and the environment assets.
* Wrote custom shaders and create particle effects
* Programmed and designed UI/UX, gameplay, and data management system in Unity.
* Designed and build levels.

**Galactic Clapback -** [**https://jl4312.itch.io/clapback**](https://jl4312.itch.io/clapback)

* Mobile bullet hell game where player can parry the enemy spaceships.
* Creating all of the 3D models, GUI, particle system and custom shadergraphs.
* Designed and programmed shop and lottery system.
* Balanced game economy and difficulty curved based on a tier system.

**VRsus guardian**

* A two-player, cat-and-mouse chase between VR and AR semester-long project comprised of 11 students.
* Recruited, on-boarded, and led art members, created game ready assets following our creative director’s direction.
* Implemented our team’s art production pipeline, managed asset inventory, and processed it into Unity.
* Modeled game character, environment assets, created particle systems.

**GDC Conference Associate**

**Aug 2013 - May 2018**

**GPA: 3.89/4.00**

**Summa Laude**

**Dec. 2018 - Present**

**Apr. 2017 - Nov. 2017**

**Aug. 2016 - Dec. 2016**

**Aug. 2018 - Nov. 2019**

C#

Unity

**Aug. 2018 - May 2019**

C#

Unity

**Feb. 2018 – May 2018**

C#

Unity

**GDC 2018, 2019**