XINGYU CHEN

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EDUCATION

University at Buffalo, the State University of New York (SUNY)   *August 2018 - Present*
B.S in Computer Science, 2022   Overall GPA: 4.0
Department of Computer Science and Engineering

PROJECTS

ALight Renderer Complex
A-Light is a rendering platform for Computer Graphic using C#. It is a renderer complex project together with offline pathtracer, realtime rasterizer, shader compiler editor with GUI.

ACS/Orange Lanuage
A Programming Language running on DotNet framework.

A Compiler Compiler
It is a top-down parser generator and tokenizer generator for C, generating a parser, the part of a compiler that tries to make syntactic sense of the source code, specifically a LL(1) parser, based on an analytic grammar written in a notation similar to BackusNaur Form (BNF).

Unity - Steam Networking Framework
A low level networking framework for Unity Engine to achieve multiplayer through Steam P2P network services.

TECHNICAL SKILLS

Programing Languages	Experienced in C#, Python, JavaScript
	Comfortable with C/C++,Java,Swift,VisualBasic
Markup Languages	Html, Latex, Markdown
GameEngine	Unity Engine, Unreal Engine, GameMaker Studio
3D Graphic	OpenGL, GLSL,
	Have Implemented the rendering pipeline by self
Graphics library& Framework	Experience in WPF,Winform,UWP, Comfortable with Vue,
	Have developed Graphic Library by self.
Compiler	Comfortable with Lex,Yacc.
	Had developed a Compiler Generator by self.

EXPERIENCE

Embedded Sensing and Computing Lab, SUNY Buffalo   August 2018 - Present
Undergraduate Researcher

· Working as an Undergraduate Researcher under the instruction of Prof Wenyao Xu.
· Research on developing interactive learning system for children using Augmented Reality.
· Research on Internet of Thing using raspberry pie

THICOS Studio   2015 - 2018

Founder,Chief Programmer,Game Developer

· Leading three people develop indie games using Unity Engine.

· Released a 3D sandbox game on Steam.

· Collaborate with other teams to develop projects

AWARDS

Dean's List, Fall 2018.

CSE115 Website Project Competition Winner, Fall 2018.

PERSONAL TRAITS

Highly motivated and eager to learn new things.

Ability to work as an individual as well as in group.