

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 Wen Yao 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.