

COLE PETERSON

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SUMMARY

2024 graduate from DigiPen Institute of Technology with a Bachelor of Computer Science in RTIS (Real time interactive simulation.) 2+ years working in industry as a technical artist. My focuses include graphics programming, technical art and general programming.

COMPETENCIES

C/C++

Unreal engine

Algorithms

Music production

Javascript

Unity 3D

Blender

GLSL/HLSL

Technical Art

Procedural geometry

KEY ACCOMPLISHMENTS

- Created countless shader examples on the popular website shadertoy.com.
- Led the development of an Unreal Engine game's core art pipeline in a professional setting.
- Contributed to the development of a C++/DirectX custom game engine for a school project.
- Developed a live music visualization app utilizing MIDI and interactive shader art.
- Developed a node-based sound synthesis app in Javascript.
- Extensive knowledge of Blender 3D.

PROFESSIONAL EXPERIENCE

FREELANCE UNREAL ENGINE WORK | Seattle, WA | **(2019)**

Created various experimental particle simulations using Niagara and HLSL. Simulations included flocking behavior, fluid dynamics and dynamic graphs.

RECTECH coding camp | 4501 Delridge Way 98106 | Seattle, WA | **(Summer 2019)**

Coached students in developing their first video game using Javascript. Supported program leader in various tasks.

Bartender | Mission Cantina | 2325 California Ave. SW | **(Apr. 2018 – Mar. 2020)**

Technical Artist | Rogue Rooster | 14315 Hidden Valley rd. Gig Harbor 98332 | **(Apr. 2024 – Present)**

Led the development of many core art systems and pipelines such as a versatile material layering system, runtime customizable character system, networked weapon VFX, weapon customization and many procedural

environmental systems powered by PCG. In addition, I created the majority of master materials used in the project like the landscape, general architecture, character, weapons and foliage, each with many useful exposed parameters for artists.

EDUCATION

(Bachelors of Computer Science in RTIS) Digipen Institute of technology **(2024)**

Associate of Science South Seattle Community College **(2019)**

High school diploma West Seattle High School **(2015)**