

DAVID NICHOL - GAMEPLAY PROGRAMMER

[DavidNichol.me](https://davidnichol.me)

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(331) 262 8440



Passionate game programmer with strong collaboration skills that is eager to interface with a diverse team to create great games.

EDUCATION

BA, Game Programming
Columbia College Chicago
AUGUST 2018 - MAY 2022

SKILLS

C# | C++ | Unity | Source Control with Git
Unreal - C++ and Blueprint | Team Collaboration
Java | Math/Physics | AI | HTML, CSS, Javascript

NOTABLE PROJECTS

Project Nova - 2022 (Team)

- Weapon system, lightweight interaction system, state system, large focus on SOC

Paper Flight - 2022 (Team)

- Integration of a custom spline editor for simulated flight path
- Smooth movement along a path with custom ease in-ease out algorithm
- General optimization for VR, tech lead

Ultra Fall - 2021 (Solo)

- 2D rigidbody movement system, AI, procedural generation, UI, powerup system

ECS Fractals - 2020 (Solo)

- 3D Fractal Generation with Unity's early access [ECS Framework](#)
- Multithreading with Unity's [Jobs Framework](#)

SOFTWARE EXPERIENCE

Intern Game Programmer — Dark Catt Studios, Saint Charles IL JANUARY 2019 - MAY 2019

- Blueprint and C++ in Unreal Engine, QA and testing of VR applications, Insight from tenured developers on industry hardware and software standards, as well as mentorship from senior programmers on best C++ practices.

OTHER EXPERIENCE

Computer Technician — UR1Stop, Schaumburg IL JULY 2021 - PRESENT

- In-depth testing and repair of laptops, desktops and consoles.

Farm Hand — Jim's Pumpkin Farm, Elgin IL AUG 2020 - OCT 2020

- Picking, loading and selling pumpkins.

Bike Delivery Driver — Jimmy John's, Chicago IL OCT 2019 - MAY 2020

- Make and deliver sandwiches with speed, teamwork and accountability.

Busser, Foodrunner, Prep Chef — Patten House, Geneva IL NOV 2016 - AUG 2018

- Clean tables and kitchen, assist waiters, deliver food to tables, cut and prep meat and vegetables.

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