

# DAVID NICHOL - VR DEVELOPER

[DavidNichol.me](http://DavidNichol.me)

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(331) 262 8440



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

## SOFTWARE EXPERIENCE

**Senior VR Developer** — VictoryXR, Davenport IA MAY 2022 - PRESENT

- Create networked VR educational simulations and experiences in Unity, such as dissections, museums, and science labs.

**Intern Data Analyst/Programmer** — STIGMA App, Chicago IL APRIL 2022 - MAY 2022

- Co-developer of a mental health app using several frameworks, primarily Draftbit, Xano and React Native.

**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.

## 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

## OTHER EXPERIENCE

**Computer Technician** — UR1Stop, Schaumburg IL JUL 2021 - MAR 2022

- 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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