DAVID NICHOL - GAMEPLAY PROGRAMMER

DavidNichol.me   davidjnichol87@gmail.com   (331) 262 8440

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

SOFTWARE EXPERIENCE

Intern Data Analyst/Programmer — STIGMA App, Chicago IL   ARIL 2022 - PRESENT
- Interface with Heap Analytics to create and run reports on data for new user acquisition, maintain and work on SQL database, write JavaScript for the backend of a website.

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.