

Mathias Dierickx – Network programmer

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Profile

My name is Mathias, I live in Leuven, Belgium and am working as a self employed contractor programmer. I specialize in unreal engine network programming, but have a broad knowledge of game engines, so working with custom engines won't be a problem. You can expect me to always have top of the line hardware so I can ensure I can give the best service possible.

Technical Skills

- C++
- Unreal engine blueprints
- Telemetry
- Networking
- Unreal engine C++
- Perforce
- Blender
- Tools development

I have experience with a lot of systems within Unreal engine, ranging from blueprints to implementing custom replication graph code and optimizing multiplayer server performance for large online multiplayer games using unreal. Next to this I've also created custom tools for generating build scripts, facilitating the development pipeline and implementing telemetry systems.

Working Experience

Company	Role	Duration
Sumo Digital	Programmer	April 2020 – Present
	Junior Programmer	June 2019 – April 2020
	Placement Programmer	Feb 2019 – June 2019

Education

Digital arts and entertainment gave me broad knowledge of game development. It covered a wide variety of topics from gameplay programming, to graphics programming and networking. On top of all the programming courses I got courses on both 2D and 3D art and how to integrate these into game engines. This combination makes me aware of all aspects of the AAA game development pipeline and facilitates communication of system requirements to other disciplines. This was proven by creating multiple games as part of a team during the course of my studies at DAE.

Digital Arts and Entertainment – Howest, 2016 – 2019 - Magna Cum Laude		
Programming 3	File IO, SQL, data parsing	19/20
Programming 4	Game engine design, networking, multithreading	17/20
Graphics programming 1	Introduction to DirectX and 3D game programming	16/20
Graduation work	Seven week personal research and implementation of a multithreaded game engine design.	18/20
Algorithms	Data Structures, sorting, pathfinding	19/20
Computer science – University Leuven, 2014 - 2016		
First year of academic bachelor completed. This course offered a lot of theoretical insight into many aspects of computer science, but I wanted something more hands on. That's why I transitioned to DAE after my second year.		
Highschool degree science mathematics – Heilige-Drievuldigheidscollege, Leuven, 2008 - 2014		
This degree gave me a broad basic knowledge about mathematics, science and general problem solving.		

Other Accomplishments

3rd place at “De Jonge Baekeland jongerenprijs” 2013

This is a Flemish competition for young people where teams of students compete around a scientific topic. This year's topic was “The farm of the future”. Competing gave me a lot of teamwork and socializing skills. Article (Dutch only): <http://www.heilige-drievuldigheidscollege.be/?q=baekeland2013-1>

4th place at the annual crea-week game jam at DAE (15 entries total)

During this project I was responsible for implementing the main character mechanics. More information about this project can be found on my portfolio at: <http://www.mathiasdierickx.com/Projects/CrystalMech.html>