

# Darcy Matheson

Game Programmer / Developer

Portfolio: [prometheus-76.github.io](https://prometheus-76.github.io)

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## EDUCATION

**St Francis Xavier College, Beaconsfield — High School (VCE)**

2018 - 2020

**Academy of Interactive Entertainment, Docklands — University**

2021- 2022

Game Programming Course (Full-Time)

- CUA51015 Diploma of Screen and Media
- ICT50120 Diploma of Information Technology
- 10702NAT Advanced Diploma of Professional Game Development

## CERTIFICATIONS

**2020 – Victorian Certificate of Education (VCE)**

**2020 – Certificate III in Information, Digital Media and Technology**

**2021 – Diploma of Screen and Media, CUA51015**

**2021 – Diploma of Information Technology, ICT50120**

**2022 – Advanced Diploma of Professional Game Development, 10702NAT**

## SKILLS

### Personal Skills

- Intelligent, and always willing to learn new skills.
- Cooperative team member and effective communicator.
- Great abstract problem-solver, especially in time-pressured scenarios.
- Methodical and effective organisational/time management skills.
- Flexible group member, consistently able to adapt to new challenges and situations.
- Realistic goal setter and great with meeting deadlines.

### Technical Skills

- Solid understanding of the way a computer functions and is assembled, set up and troubleshooted for various issues.
- Proficiency using and troubleshooting Windows 10/11 systems (intermediate-expert).
- Effective knowledge of virtual machine creation (with VirtualBox) and use with various operating systems and specifications (intermediate).
- Basic knowledge and experience setting up networks and Windows Server OS.
- Proficient use of Office 365 Application Suite (intermediate).
- Effective use of Autodesk CAD Software (Inventor + AutoCAD) in conjunction with 3D printing and laser cutting technologies (intermediate).
- Proficient ability to debug, diagnose and troubleshoot hardware and software problems using diagnostic software tools (intermediate).
- Proficient understanding and abilities coding in C# .NET Framework (intermediate-expert).
- Proficient use and knowledge of Unity Engine (expert).
- Effective understanding and abilities coding in Visual Basic (intermediate).
- Advanced and experienced user of Google Chrome and Google Workspace (expert).
- Experienced user of Arduino IDE in custom-designed robotics projects (intermediate).
- Effective understanding and abilities coding in C++ using the standard library for custom game engine, physics and rendering pipeline development.

## EXPERIENCE

### **Automotive Mechanic – Mark Lawrence Motors, Work Experience**

2018

Mark Lawrence Motors is a small automotive mechanic business, run from Burwood East, which sees over 1,500 customers each year. I was offered the opportunity of work experience and learned a lot about developing new practical skills during my time there.

### **Computer System Design, Assembly and Setup, Volunteer**

2018 - Present

I have completed 6 system assemblies from start to finish, including software setup, OS installation, choosing parts and ensuring compatibility. These were completed as favours to friends or family members, as well as a method to learn and improve essential hardware skills in practice. All clients I have helped have been very satisfied with the end result of their build, and I have helped them with any issues they encounter as a result of standard system usage.

### **Game Programmer – Monotreme Interactive, Contract Work**

2022 - Present

Since July of 2022 I have been working remotely with the team at Monotreme Interactive on our debut game for PC and Nintendo Switch. Collaborating alongside our small team of 3-5 people, and being one of the two programmers on the team, I've worked closely with many programming and design aspects of the project including gameplay, physics, UI / UX and audio.

My work so far has involved using Unity and C# for all kinds of scripting and development, but also includes learning about FMOD and its integration within the Unity Engine for all the audio used in the game. While working with the team at Monotreme I've been employed as a remote independent contractor, working 2 full days a week.

## INTERESTS / HOBBIES

### **Video Games**

I started playing games around the age of 6 and haven't stopped since! I primarily play games on PC, but I've also enjoyed many Nintendo titles on DS, Wii and Switch too. Most of the games I play could be classified as Indie, as I'm a big fan of the smaller, unique experiences that these games provide. Some of my all-time favourites include Terraria, Hollow Knight and Transistor.

## **Programming**

Despite making a career of it, programming and game development remain strong passions of mine. I love the creative freedom that programming can bring, and all that it allows you to accomplish in the process of developing digital games. My view is that programming is the greatest kind of puzzle one can solve, as the only limit for solutions is your own imagination and lateral thinking skills.

## **Game Jam Events**

Game Jams are competitive group events which challenge contestants to work together in teams to design and create a video game from scratch in a short amount of time, usually 1-3 days. During these events I have acted as project manager, programmer and gameplay designer in teams of 2-5 people.

I have participated in several of these so far, including:

- Ludum Dare 45 (2019, 3 days)
- Game Maker's Toolkit (2020, 3 days)
- 7 Day Rogue-Like (2021, 1 week)
- Australian Global Game Jam (2022, 3 days)

## **Volunteer Work**

I have completed volunteer work by assisting in sausage sizzle fundraisers with Scouts Australia and participating in Relay For Life, helping to raise money for Cancer research and treatment. These activities have taught me about handling money and food, as well as the satisfaction of helping others and contributing to the greater good.

## **Personal Qualities**

I pride myself on my integrity and work ethic, which I employ constantly through my effort and interactions with others. I am confident in my abilities and knowledge regarding programming and game development and I am diligent and driven about improving my personal and technical skills. I understand the importance of meeting deadlines within a business and delivering a quality product/service to the client.

**References available upon request.**