SIRANJIV SIVAPALAN

🏠 Los Angeles, California | 📞 (949) 615 2904 | ✉ siranjiv@gmail.com | 🔗 Linkedin | 🟣 **Portfolio**

EDUCATION

University of Southern California ↗ <div align="right">**Los Angeles, CA**</div>

Master of Science in Computer Science Specialization in Game Development <div align="right">August 2024-Present</div>

Coursework: 3D-Graphics and Rendering, Game Design Workshop (Fall '24); Computer Animation and Stimulation, Analysis of Algorithm (Spring '25)

University of Bedfordshire (UK) ↗ <div align="right">**Colombo, Sri Lanka**</div>

Bachelor of Science in Computer Science and Software Engineering (Honors) – First Class (CGPA 3.7/4.0) ↗ July 2019-July 2022

Honors and Awards: 1st Class Honors Award, Dean's List Year 1 Semester 1 (3.83/4.0), Dean's List Year 1 Semester 2 (3.88/4.0)

Coursework: Data Structures and Algorithms, Interactive Design Concepts and Practices, Object Oriented Programming (JAVA), Data Communications & Computer Networks, Object Oriented Analysis & Design, Database Management Systems, Web Application Development, Operating Systems, TCP / IP Networking Concepts, Computer Security.

TECHNICAL SKILLS

- **Programming Languages**: C++ (Intermediate), C (Intermediate), C# (Intermediate), Java (Beginner), JavaScript (Beginner), HTML (Beginner), CSS (Beginner)
- **Development Tools** – Visual Studio Code, Visual Studio, Unity, Unreal Engine, Android Studio, Adobe Dreamweaver, Apache NetBeans, Eclipse, ASP.Net, WinForms, Postman
- **Database** – MSSQL Server (Intermediate), Oracle (Beginner)
- **Source control** – ⚫ GitHub, Azure DevOps
- **Graphic Design and Editing tools** - Autodesk Maya, Adobe Premiere Pro
- **OS and Networking** - Cisco Packet Tracer, Wireshark, Linux, Windows
- **Specialized Skills** – Gameplay Programming, Software Engineering, Quality Assurance (QA), Interpersonal and Communication Skills, Team Collaboration
- **Personal Portfolio Projects** - 🔗 (Link), Portfolio Website: 🔗

WORK EXPERIENCE

DMS Software Engineering (Pvt) Ltd <div align="right">**Rajagiriya, Sri Lanka**</div>

Associate Software Engineer ↗ <div align="right">July 2022-July 2024</div>

- **Standard Chartered Bank:**
    - **Feature Development:** Enhanced numerous features and resolved various bugs across key applications such as CRIB Information Management System, Deposit Insurance Scheme, SPLUNK, IMAGO, and FED using ASP.NET and C#.
    - **Performance Optimization:** Boosted performance and stability of the IMAGO Cheque Imaging and Truncation Solution, resolving bugs and introducing new features using WinForms and C#.
    - **Security Enhancement**: Strengthened security in DMSSWE.SECURITY by implementing tokenization and advanced security measures using ASP.NET and C#.
    - **Background Processing**: Optimized background worker processes for DMSSWE.SPLUNK, addressing bugs and adding new features using HangFire, ASP.NET, and Entity Framework.
- **Sampath Bank:**
    - **System Improvement**: Enhanced the Deposit Insurance Scheme by resolving bugs and implementing new features using ASP.NET and C#.

ACADEMIC PROJECTS

Master's: 3D Graphics Project (Individual Project): Developed a **3D renderer**. Language: **C/C++.** Link**:** 🔗

Master's: Game Design Project (Group Project): Designed and prototyped three **Physical Games**. Link**:** 🔗

Bachelor's: Game Development (Research, Individual Project): Developed a **2D game** with **computer vision** and **voice recognition integration**. Tools: **Unity Game Engine**, **OpenCV**. Language: **C#**. 🔗   Project Link: 🔗

Bachelor's: Game Development (Individual Project): Developed a **mathematical game** using OOP, event-driven programming, and version control. Tool: **Eclipse**. Language: **Java**. 🔗

Bachelor's: Game Development (Group Project) Project Lead. Designed and implemented a **2D tile-based game**. Tool: **Unity Game Engine**. Language: **C#**.

Bachelor's: Network Design (Individual Project): Developed a **Network system** using TCP/IP principles. Tool: **Cisco Packet Tracer.**

Bachelor's: Android Development (Individual Project): Developed an **Android application** for a voting system. Tool: **Android Studio**. Language: **Java**.

Bachelor's: Graphic Design (Individual Project): Designed and animated **graphic models**. Tool: **Autodesk Maya**.

Bachelor's: Short Film (Group Project): Project Lead. Produced a 10-minute **short film** using cinematography principles. Tools: **Adobe Premiere Pro**, **Adobe Photoshop**.

Bachelor's: Student Management System (Group Project): Project Lead. Developed a **Java Swing application** using **OOP principles**. Tools: **MSSQL Server**, **Apache NetBeans**. Languages: **Java**.