JESSE PIRROTTA
Software Developer

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jessepirrotta.dev

Fourth-year Software Development student at Seneca Polytechnic and Game Developer at Pong Game Studios with extensive knowledge and technical skills in software development languages and frameworks including TypeScript, Python and C++, operating systems, web applications, multimedia interfaces, databases, system analysis and design principles.

Work Experience

Assistant Center Director   May 2024 – May 2025

Code Ninjas | Vaughan

- Develop program curriculum for students aged 7-14 to acquire new skills in coding, math, logic, and problem-solving
- Efficiently handle day to day challenges, ensuring smooth operations while maintaining a safe and engaging learning environment for students
- Effectively communicate with parents, including explaining complex program activities, providing child progress updates, and ensuring families are satisfied with their experience
- Train and mentor new staff, and work collaboratively in a team environment
- Started as an intern and transitioned into a part time position shortly after

Game Developer   Jan 2025 – Present

Pong Game Studios | Vaughan

- Develop slot games for an online portal using Cocos Creator
- Participate in daily scrums, and use Jira for all project management related tasks
- Write code in TypeScript for games I worked on, as well as to contribute to the GDK
- Write editor scripts for Cocos Creator to enhance the developer experience while working with Cocos

Projects

FitConnect   Sep 2023 – Dec 2025

Collaborating with other student developers to create a comprehensive web-based solution for the fitness and weightlifting community, addressing the challenge of disorganized workout record-keeping using physical notebooks, suboptimal note apps or unintuitive workout apps.

[EcoEats](#)   Feb 2025 – Mar 2025

As part of Seneca's 2025 Hackathon, me and my group tackled the "Food and Sustainability" problem set. Our solution was EcoEats, a smart grocery assistant that helps consumers make eco-friendly, healthy, and locally sourced choices without changing their routine. Its main feature is an AI-powered Smart Swapping tool that integrates directly into the checkout process of our site, recommending sustainable alternatives in real-time. We provided users with in-depth visualizations of their environmental impact as well as incentives for continued use of the platform.

Core Skills

Highly Proficient in:

Soft Skills:	Managing projects in a team and individual environment | Explain technical concepts to a non-technical audience | Research and problem solving | Interpersonal Communication |
Languages:	C/C++/C# | Java | Python | JavaScript | TypeScript | SQL | MongoDB
Frameworks:	Next.js | Express JS | React Native | React | Svelte Kit | Django Qt | Tailwind CSS | Bootstrap | Agile and Scrum development frameworks
Operating Systems:	Windows | Linux | UNIX | Mac
Developer Tools:	AWS, Cursor, Microsoft SQL Server, Node JS, MySQL, Visual Studio IDE, Visual Studio Code, JetBrains IDEs, Excel, Git/GitHub, CI/CD, Jira, Unreal Engine, Obsidian, Jotai, Figma, Ngrok Web Hooks, shadcn, WSL2

Education

Seneca Polytechnic   Jan 2022 – Aug 2025
Bachelor of Technology | Honours – Software Development

Achievements

President's Honour List: recognized every academic year for outstanding achievement (4.0 GPA)

Renewable Degree Scholarship: awarded every academic year for maintaining a high GPA