



Asena Hazal YILMAZ

Software Engineer | Game Developer |
AI & AR/VR Specialist

Based in Ottawa, ON, Canada.



Professional Profile

Software Engineer with 4.5+ years of experience in game development, AI, and AR/VR. Founder and Lead Software Developer at Pectus Games, specializing in C#, Unity, gameplay systems, and technical architecture. Experienced in mobile and PC games, blockchain/NFT mechanics, and international team collaboration across Europe, Asia, and North America.



Work Experience

- **Founder & Lead Software Developer**
Pectus Games

Nov 2025 – Present

Ottawa, Canada

- Developed core game play systems and mechanics using C#.
 - Owned technical architecture, tooling, and development pipelines.
 - Managed production planning and cross-disciplinary collaboration.
- **Gameplay Programmer**
Nyan Heroes • Contract

Nov 2022 – Sep 2023

Singapore

- Developed a third-person shooter game on the Solana blockchain.
 - Built NFT game mechanics to enhance in-game economic stability.
 - Collaborated with Agile international teams to deliver key milestones.
- **Game Developer & Level Designer**
Popcore • Contract

Sep 2021 – Sep 2022

Berlin, Germany

- Created and optimized mobile game features, improving workflow efficiency by 15%.
 - Participated in level design and testing for multiple game releases.
- **Game Developer**
Bigpoint GmbH • Contract

Sep 2019 – Sep 2021

Hamburg, Germany

- Designed monetization systems and gameplay improvements for large-scale online games.
 - Delivered updates and new features in collaboration with cross-functional teams.
- **Software Engineer**
Numeric Engineering • Contract

Dec 2018 – Jul 2019

Texas, USA

- Built interactive MR apps using Unity3D and C# for training environments.
 - Developed realistic 3D scenarios for industry-specific use cases.
- **Software Engineering Intern**
Microsoft • Internship

Jul 2017 – Sep 2017

Istanbul, Turkiye

- Created a Unity-based horror game prototype.
 - Conducted early research on interactive gaming tech and immersive design.



Contacts

- asenahazal@icloud.com
- [linkedin.com/in/asena-hazal-kahriman/](https://www.linkedin.com/in/asena-hazal-kahriman/)
- /ahkhat
- /pectus-g
- /asenahazal



Top Skills

- Unity3D
- C#
- 3D Game Environments
- Reinforcement Learning
- Git
- AR/VR
- Cybersecurity
- Game Design
- Python
- NFT Systems
- Agile
- Blockchain



Education

Algonquin College – Ottawa, ON

- Supply Chain Management

May 2025 – Dec 2025

- Cybersecurity and Analysis

Jan 2024 – Aug 2024

Duzce University – Duzce, Turkey

Bachelor of Computer Engineering

Sep 2014 – Aug 2018



Publication

Detecting Fake Twitter Accounts Using Artificial Neural Networks

- DOI:10.30855/AIS.2018



Languages

Turkish
Native proficiency

English
Fluent (CELP-IP-General, Level 9)