Curriculum Vitae

La Tycho Henzen



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Summary

Versatile and innovative **Software Engineer** with 8+ years of experience in **game development**, **industrial automation**, and complex software systems. Expertise in C#, C++, and **game development**, with a strong background in performance optimization, **network programming**, and **algorithm development**. Passionate about exploring challenging problem domains and developing creative solutions.

Skills

Programming languages

- C#
- Python
- XAML
- PHP

- C++
- HTML
- typescript
- SQL

- Java
- CSS
- javascript

Frameworks // Tools

- Unity
- Godot
- Specflow/Requiroll
- TFS
- Visual Studio
- Jenkins
- Microsoft Azure

- Git
- LINQ
- Doctest
- Catch2
- MySQL
- Blazor

- Jetbrains IDEs
- NUnit
- TeamCity
- Svn
- WPF
- Bootstrap

Soft skills

- Analytical thinking
- Problem solving
- Communication
- Self-motivation

- Attention to detail
- Agile/Scrum
- Adaptability
- TDD

- Continuous learning
- Collaboration
- Resilience

Experience

Ellips B.V. Eindhoven

Sep 2023 - present

Software Engineer

- Developed C#/Blazor/WPF frontend with C++ backend components for a fruit grading system
- Implemented web apps for system calibration and addressed localization issues
- Contributed to code modernization and improved testing methodologies

VRee B.V. Eindhoven

Nov 2019 - Jun 2023

Software Engineer

- Developed and maintained C++ and C# code for a multiplayer VR platform
- Designed and implemented network architecture using UDP/TCP protocols
- Created an algorithm to package whole-body motion tracking into a single **UDP** fragment
- Built a licensing system with online verification via REST API and RSA/AES encryption
- Implemented tamper-proofing using blockchain hashing techniques
- Utilized TDD, clean coding practices, and design patterns to improve code quality
- Worked with CI/CD pipelines and automated testing using Jenkins, Catch2, and Doctest

Graylake studios, Utrecht

2015 - 2019

Software Engineer

- Contributed to the development of ProDnD, a mobile app for generating procedural, themed battle maps for Dungeons Dragons
- Worked on performance optimization for map generation, and procedural battlemaps
- Created a technique for map sharing using steganography, and procedural name generation
- Developed systems using C# in Unity, including iOS port and theme swapping

Education

ICT / Software Engineering

2010 - 2015

Fontys Hogescholen, Eindhoven

- Minor in Game design
- Elective course on OpenGL in C++
- Elective course on linear algebra for 3D rendering

Bachelor technische informatica

2009 - 2010

TU/e, Eindhoven

2008 - 2009

Rythovius college, Eersel

2003 - 2008

VWO

VWO

Grotius college, Heerlen