Tsjerk Piter Walinga

Software Engineer with a focus on graphics and AI

🏠 Utrecht

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🪪 Summary

Software Engineer with a bachelor in AI. Experienced with C#, Python and Haskell. Interested in graphics, self hosting and AI.

💼 Experience

Programming Teacher   *Nov 2024 - now*

HIP, Bilthoven

▸ Teaching programming and game design to high school students.
▸ Learnt how to explain complex topics in a simple way.

Location Worker   *Feb 2023 - Dec 2024*

Zuidhaven, Utrecht

▸ Responsible for removing old holds and cleaning the holds. Planned my own hours and worked independently while adapting to differing tasks and workloads.

3D modeler   *Mar 2024*

Frisian Draughts, Waaksens

▸ Developed 3D visualizations utilizing Blender and scans. This project involved detailed modeling, texturing, and rendering of an historical board.

3D Animator   *Feb 2023 - May 2023*

SerpentGameplay, Utrecht

▸ Produced 3D animations for a prominent content creator, leveraging Blender for the animation design and Premiere Pro for post-production editing.

IT-help   *Aug 2022*

Student aan Bedrijf, Utrecht

▸ Assisted in the rollout of a new administrative system at an elderly care home.

VR Experience designer   *Feb 2021 - Apr 2021*

Narwal, Waaksens

▸ Designed a VR experience for a future fishing vessel.

🎓 Education

B.Sc. Artificial Intelligence   *2021 - 2024*

Utrecht University, Utrecht, Netherlands

▸ **Thesis:** *"Enhancing Gaming Experience: Image Outpainting Applied to Asynchronous Reprojection"*
▸ **Research focus:** Learning and computation (with a minor in Computer science).

⚙️ Skills

Programming languages

`C#` `Python` `JavaScript` `Haskell` `C++` `Prolog`

AI/ML

`TensorFlow` `PyTorch` `Keras` `Huggingface`

Web Development

`HTML` `CSS` `SQL` `ExpressJS` `Hugo` `Nginx`

Graphics

`Blender` `Unity` `OpenGL` `Godot` `Hammer`

Tools

`Git` `Slack` `Docker` `Linux` `Premiere Pro`

🈯 Languages

Dutch   Native (C2)

English   Fluent (C1)

Frisian   Native (C2)

🔧 Other

CAE English   *2019*

Cambridge English, Leeuwarden

Software Engineer   *2024*

Pandas, Utrecht

▸ Created a backtrader and ML-based crypto trader as job application.