

# Šimon Potočňák

simon.potocnak03@gmail.com ❖ +31 61 31 995 72 ❖ Middelburg, NL ❖ [Portfolio](#)

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## PROJECTS, WORKSHOPS & HACKATHONS

### Pablo Renderer

Jan. 2024 – Current

*Passion project*

**Physics based** rendering engine and OpenGL abstraction framework build **from scratch in C++**

- Flexible, reliable and fast renderer where users can experiment with different computer graphics concepts

### ligplaatsenzeeland.nl

Oct. 2023 –

**Current**

*Ricardo Benken*

Full stack web application where users can browse and rent parking spaces for their boats or yachts

- First **commercial** project build using **Laravel** framework

### Hangout Safari

Oct. 2023 – Feb. 2024

*HZ University of Applied Science*

Full-stack web application that helps students cope with social anxiety

- Motivation factor is incorporated in the interactive **3D Safari world** where users can collect animals as rewards for attending social events.
- Application is build using **microservice architecture**

### Screen Saver

*Joint Research Center Zeeland (JRCZ)*

Jun. 2023

Hackathon where the manager of JRCZ asked us to create a screensaver for the **biggest screen** in Zeeland.

- We have delivered a 3D presentation of departments in JRCZ that is controlled with **clapping your hands**.

### Introduction to 3D graphics programming with C++ and OpenGL

*We are in IT together conference*

Nov. 2023

I organized a workshop where participants could learn and implement basic concepts of Computer Graphics.

- Workshop was immediately fully booked and feedback from participants was very positive

### Curious Village

Dec. 2022 – Jan. 2023

*HZ University of Applied Sciences*

Educational game that helps children understand how valuable their personal information is.

- Game is build without any game engine or library purly with **TypeScript** and displayed on HTML canvas

## EDUCATION

### HZ University of Applied sciences

Jun, 2027

*BSc. , Software Engineering*

*Middelburg, NL*

## SKILLS & PART - TIME JOBS

- **Skills:** JavaScript, TypeScript, PHP, Java, C#, C++, Linux, OOP, Tailwind, OOP, Svelte Kit, NodeJS, Laravel, three.js, OpenGL, Docker, Git, DevOps, Figma, Python, Data Science, Agile, UX/UI design,
- **Part-time jobs:** Delivery driver (Domino's, LTD) - *current*, Shopkeeper (Kaufland, L.S), Electrician (Koneo, LTD), Carpet shop worker (Interior invest, LTD)