

# Ravi Snellenberg

Software Engineer / Computer Graphics Enthusiast

 ravisnellenberg@outlook.com

 +31630192023

 Breda, Netherlands

 rsnellenberg.github.io/portofolio

 ravi-snellenberg


 Rsnellenberg




## EXPERIENCE

Student/Teaching Assistant

TU Delft University

 Oct 2024 – Apr 2025

 Delft

- Create a GPU-accelerated direct volume renderer for a course assignment framework using C++ and OpenGL
- Help students during the lab for the said Data Visualization course

Teaching Assistant

TU Delft University

 Nov 2024 – Feb 2024

 Delft

- TA for the 3D computer graphics and animations course, which focuses on real-time rendering techniques such as those used in 3D engines
- Help students with the assignments during the labs and grade them afterwards

Student Assistant

TU Delft University

 Sept 2022 – Dec 2024

 Delft

- Built a VR application in Unity (C #) that makes use of a hyperbolic space with a couple of other students, with a professor as supervisor
- Advertise the VR application at several conferences and events, as well as publish a paper about it

## PUBLICATIONS




 Master Thesis (IEEE Bio+Medvis Award winner)

- R. Snellenberg and T. Höllt, *T-sne based transfer functions for multi-attribute volume rendering*, 2025. [Online]. Available: <https://publications.graphics.tudelft.nl/papers/831>.

 Conference Proceedings

- M. Skrodzki, S. Jochems, J. Rijsdijk, R. Snellenberg, and R. Bidarra, “Holonomy: A virtual reality exploration of hyperbolic geometry,” in *Proceedings of the 29th International ACM Conference on 3D Web Technology*, New York, NY, USA, 2024.
- M. Starkov, S. Jochems, J. Rijsdijk, R. Snellenberg, et al., “Sonifying motor skills with pizzicato, a game for motor behavior research,” in *2024 IEEE Conference on Games (CoG)*, 2024.

## I ENJOY

-  **Visual Design**  
Making visual imagery using 3D modeling and drawing
-  **Taking walks**  
I like some form of exercise, and it helps clear my mind
-  **Reading**  
I am a big fan of (mostly) fantasy stories


## STRENGTHS

- Curious
- Analytical
- Real-time rendering
- Data Visualization

## LANGUAGES

- Dutch (Native)
- English
- German

## EDUCATION

M.Sc. in Computer Science  
TU Delft  
 Sept 2023 – Sept 2025  
Course focus: Computer Graphics and AI

B.Sc. in Computer Science  
TU Delft  
 Sept 2020 – June 2023  
Minor: Electrical Engineering

VWO (Technasium)  
Newman College  
 Sept 2014 – June 2020