Amber Elferink

in Amber-Elferink   git a.s.elferink

Computer Science student with interest in Robotics and Haptics.

Haptic feedback in virtual reality will provide lasting experiences.
Developing technology in that field is my dream.

🎓 Education

Bachelors

Utrecht University

Computer Science Minor

Sept 2017 – Dec 2018
GPA 4.0/4.0

Chemistry Bachelor

Sept 2014 – June 2017

☰ Skills

Languages

- ✓ C#
- ✓ Javascript/Node.js (+ ExpressJS)
- ✓ HTML & CSS
- ✓ SQLite
- ✓ Dutch (native)
- ✓ English (C1-C2)

Others

- ✓ Adobe Photoshop
- ✓ Adobe Illustrator (Basic skills)
- ✓ Arduino

💡 Projects

Hand detection   -   **View project wiki on Gitlab**
- Built from a template allowing to load an image and save an image.
- Featuring handtracking and detection without an external library. The background is a beamer table, which occludes the hand. The hand can be rotated in any direction.
- Graded with a 9/10.
- Built in C#.

Basic Ray Tracer   -   **View project wiki on Gitlab**
- Built from a template enabling to color individual pixels on the screen.
- Featuring refraction, anti-aliasing, triangle support and spotlights.
- Graded with 10/10.
- Built in C#.

Webshop Fastdining - **View project wiki on Gitlab**
- Built for the web technology course.
- Includes a login, register, update profile, buying products and order history.
- Graded with 9.75/10.
- Built with Node.js + ExpressJS, Javascript, SQLite, HTML and CSS.

💼 Work

University Utrecht – Teaching Assistant Freudental Institute
Oktober 2017 – present
Various tasks in education for high school students and teachers. Tasks including but not limited to:
- Assisting students with their Arduino projects in an Arduino U-talent course.
- Assisting in the Simulation and Games U-talent course.
- Translating the Mathematical Kangaroo competition for the visually disabled.
- Helping organize and assisting at conferences such as the Woudschoten Chemie beurs and Research Funding Days.

University Utrecht – Teaching Assistant Logics
December 2018 – present
- Answering and helping students understand the material of the Logics course for the Computer Science Bachelor.

University Utrecht - Student Tutor
Oktober 2017 – present
- Helping students with the choices and challenges they face in studying the first year and informing them.