



Jonathan Brouwer

SOFTWARE ENGINEER · PROGRAMMING LANGUAGE RESEARCHER

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About Me

I'm ambitious and have a passion for programming. In my free time I like playing chess, doing bouldering, and spending time on the water.

I grew up around Sneek (Friesland), but moved to Delft for my studies. I will finish my master soon and I'm looking for a fun job to challenge me and to improve myself.

Interests

- 🤖 Robotics
- 🧑‍🦵 Hiking
- 🎮 Video Games
- 🏃 Running

Languages

- **Dutch** at Native level (C2)
- **English** at Advanced level (C1)

Education

Master in Computer Science

AT DELFT UNIVERSITY OF TECHNOLOGY

Graduating soon

Sep. 2021 - Mar. 2023

Bachelor in Computer Science and Engineering

AT DELFT UNIVERSITY OF TECHNOLOGY

Average Grade of 9.1 (Cum Laude)

Sep. 2018 - Jul. 2021

- Minor in Electronics for Robotics

Work Experience

Teaching Assistant

AT DELFT UNIVERSITY OF TECHNOLOGY

Delft

May. 2022 - Present

- Independently created practical assignments for master courses from scratch
- Helped students during practical sessions to understand the material
- Taught about Rust, Embedded Systems, Compiler Construction, and more

Software Engineer

AT LOBSTER ROBOTICS

Delft

Dec. 2019 - Sep. 2021

- Developed an Autonomous Underwater Vehicle (AUV) for ocean monitoring and surveys
- Drivers written in C, control software written in Python 3

Knowledge and Experience

Programming languages

Systems languages: 🦀 Rust, 🇨 C, and C++

OOP languages: ☕ Java, Scala, 🐍 Python, and C#

Web: 🌐 HTML, 🎨 CSS, and 📄 JavaScript

Other: 🗄 SQL, JSON, OpenCL, 📡 VHDL

Development

IDEs: 🗑 JetBrains Products, VS Code

Version Control: 🔑 Git, 🌐 GitHub, and 🐙 GitLab

Communication: 🗣 Experienced Scrum user

Operating Systems: 🐧 Linux, 🪟 Windows

Algorithmic Competitions

I enjoy participating in programming competitions, these are my results at the international level:

42nd place at the Benelux Algorithmic Programming Contest 2019

23rd place at the Benelux Algorithmic Programming Contest 2020

22nd place at the Benelux Algorithmic Programming Contest 2021

17th place at the Benelux Algorithmic Programming Contest 2022