Jonathan Brouwer

Software Engineer · Programming Language Researcher

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About Me

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

I grew up around Sneek, but moved to Delft for my studies. I've recently finished my master and I am looking for a fun job to challenge me and to improve myself.

Education

Master in Computer Science

At Delft University Of Technology

Average Grade of 9.0 (Cum Laude)

Sep. 2021 - Apr. 2023

- Thesis in development of Programming Languages

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

Interests

- 🤖 Robotics
- 🥾 Hiking
- 🎮 Video Games
- 🏃 Running

Languages

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

Contact

Feel free to send me an email if you have any further inquiries.

Work Experience

Teaching Assistant — *Delft*

At Delft University Of Technology — *May. 2022 - Aug 2023*

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

Software Engineer — *Delft*

At Lobster Robotics — *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
Embedded: 🦀 Rust, C C, C++
OOP: ☕ Java, 🐍 Python, C#
Web: HTML, CSS, Js JavaScript
Other: 🗄 SQL, JSON, OpenCL, VHDL

Development
IDEs: 💻 Jetbrains Products, VS Code
Version Control: GitHub, GitLab
Communication: Experienced Scrum user
Operating Systems: 🐧 Linux, 🪟 Windows

Side Projects

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