



# Jonathan Brouwer

SOFTWARE ENGINEER · PROGRAMMING LANGUAGE RESEARCHER

☎ +31 (0)6 11250794 | ✉ jonathantbrouwer@gmail.com | 🏠 www.jonathanb.nl | 📱 JonathanBrouwer

## 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 (Friesland), but moved to Delft for my studies. I will finish my master soon and I am looking for a fun job to challenge me and to improve myself.

## 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.

## 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 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