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# Wolfgang Bubberman

Software Engineer

 Jurkky  
in Wolfgang Bubberman  
wbubberman.com

Passionate and driven computer scientist with expertise in DevOps and Machine Learning. Active in technology exploration during free time and co-founder of WoTo, a SaaS company. Visit my [website](#) for more details on competencies and projects.

## SKILLS

|                              |  |
|------------------------------|--|
| <b>Programming Languages</b> | C/C++, Python, Rust, Java, Assembly x86, Bash, TypeScript, MatLab, Prolog, R |
| <b>Tools</b>                 | Git, Kubernetes, Docker, Ansible, Kafka, Grafana, and much more.             |
| <b>Communication</b>         | English (C2), Dutch (native), German (B2), Swedish (B1)                      |

## TECHNICAL EXPERIENCE

### Co-Founder

*WoTo - Part-time - Rust, TypeScript, Python*

09/2023 — Present

Amsterdam, the Netherlands

- Created a successful SaaS app for Powerlifting coaches with over 100+ monthly paying users.
- Gained entrepreneurial skills and grew a lot through making mistakes.

### Trading Operations Engineer

*Flow Traders - Full-time - Python, C++, Java*

08/2022 — Present

Amsterdam, the Netherlands

- Maintained a large trading system composed of thousands of different elements.
- Developed several automation solutions for ad hoc problems.
- Excelled operationally, by leveraging monitoring and automation technologies.
- Worked together closely with Traders, Software Developers, Quants and DBAs.

### Chief Software Engineer

*Forze Hydrogen Racing - Full-time - C++, Python*

06/2021 — 06/2022

Delft, the Netherlands

- Developed embedded systems for the world's fastest hydrogen racing car.
- Designed an intricate centralized system for the management of data and communication within the car.
- Created an extensive Continuous Integration server for code management and testing.
- Worked on a telemetry system with IBM.
- Applied industry-standard customs and methodologies, such as MISRA C and Scrum.

### Software Engineer

*AISY Labs - Part-time - Python*

10/2021 — 03/2022

Delft, the Netherlands

- Designed and developed a state-of-the-art Side-Channel Analysis toolbox powered by deep learning.
- Created a toolbox used by leading researchers in the field.

### Teaching Assistant

*Delft University of Technology - Part-time - Java, Python, C++*

02/2018 — 08/2021

Delft, the Netherlands

- Taught students with their understanding of the material and assignments for seven different courses.
- Reviewed and graded written and oral examinations.

## EDUCATION

### Master of Science in Computer Science

*Delft University of Technology*

09/2020 – 07/2022

- Data-science track, specialization in cyber-security.
- Thesis about the analysis of higher-order univariate and multivariate data sets in the field of Profiled Side-Channel Analysis.
- Gained experience with the application of Deep Learning and other Artificial Intelligence techniques.

### Bachelor of Science in Computer Science & Engineering

*Delft University of Technology*

09/2017 – 07/2020

- Minor abroad at KTH Royal Institute of Technology in Stockholm, Sweden.
- Participated in ten different group projects, four of which as team lead.

## ACTIVITIES AND INTERESTS

Head of the board of D.S.K.V. IJzersterk.

08/2021 — 08/2022

Completed in-depth ethical hacking course at KTH Royal Institute of Technology.

Fall 2019

Active in many Sports: climbing, gymnastics, skiing, and powerlifting.