

Wolfgang Bubberman

London, United Kingdom
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Trading Systems Engineer

 Jurkky
 Wolfgang Bubberman
wbubberman.com

A driven computer scientist with expertise in trading systems, infrastructure, and machine learning. Currently a TradeOps Analyst at Hudson River Trading, working on trading systems and execution, and co-founder of WoTo, a SaaS company. Visit my [website](#) for more details on competencies and projects.

SKILLS

Programming Languages	C/C++, Python, Rust, Java, Assembly x86, Bash, TypeScript, MatLab, Prolog, R
Platform & Tools	Linux (Debian & NixOS), Git, Kubernetes, Ansible, Kafka, Grafana, Prometheus, Docker and much more.
Communication	English (C2), Dutch (native), German (B2), Swedish (B1)

TECHNICAL EXPERIENCE

TradeOps Analyst

06/2025 — Present

Hudson River Trading - Full-time - Python, Bash

London, United Kingdom

- Working on the infrastructure, latency optimization, and order routing of HRT's trading systems.
- Monitoring and supporting trading systems in production.
- Execution trading across all asset classes and global markets (US, Europe, Turkey, Middle East, Africa and Asia).
- Active in HRT's Systematic Internaliser (SI); Series 57 licensed.

Co-Founder

09/2023 — Present

WoTo - Part-time - Rust, TypeScript, Python

Delft, the Netherlands

- Built a SaaS app for powerlifting coaches with 100+ monthly paying users.
- Developed entrepreneurial skills through hands-on business operations.

Trading Operations Engineer

08/2022 — 12/2024

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

Amsterdam, the Netherlands

- Monitored, maintained, and improved one of the most advanced electronic trading systems in the world.
- Specialized in debugging ad hoc problems before and during market opening.
- Automated daily reference data imports and operational issue resolution.
- Built an internal solution for collecting and debugging configurations across all trading systems.
- Collaborated with exchanges (XLON, XETRA, TP/ICAP) on system migrations and operational issues.
- Leveraged monitoring and automation technologies: Prometheus, Grafana, and Airflow.

Chief Software Engineer

06/2021 — 06/2022

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

Delft, the Netherlands

- Developed embedded systems for the world's fastest hydrogen racing car.
- Designed a centralized system for data management and communication within the car.
- Created a Continuous Integration server for code management and testing.
- Collaborated with IBM on a telemetry system.

Software Engineer

10/2021 — 03/2022

AISY Labs - Part-time - Python

Delft, the Netherlands

- Developed a Side-Channel Analysis toolbox powered by deep learning, used by leading researchers in the field.

Teaching Assistant

02/2018 — 08/2021

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

Delft, the Netherlands

- Assisted students with course material and assignments across seven different courses.
- Reviewed and graded written and oral examinations.

EDUCATION

Master of Science in Computer Science

09/2020 — 07/2022

Delft University of Technology

- Data science track with specialization in cyber-security.
- Thesis on profiled Side-Channel Analysis using higher-order univariate and multivariate data sets.
- Applied deep learning and AI techniques throughout the program.

Bachelor of Science in Computer Science & Engineering

09/2017 — 07/2020

Delft University of Technology

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

ACTIVITIES AND INTERESTS

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

08/2021 — 08/2022

Completed ethical hacking course at KTH Royal Institute of Technology.

Fall 2019

Building trading systems with Rust in spare time.

Competitive powerlifter.