



TIM SIGL

✉ tim.sigl@hotmail.de
☎ (+49) 17646641579
📍 Oldenburg, Germany

🌐 [LinkedIn.com/in/timsigl](https://www.linkedin.com/in/timsigl/)
🐙 [GitHub.com/Schereo](https://github.com/Schereo)
🌐 timsigl.de

SKILLS

- Typescript
- Node.js
- Solidity
- Foundry
- Hardhat
- React & Next.js
- NestJS
- MongoDB & PostgreSQL
- Docker
- Git & GitHub
- Basics in Python & Java
- Knowledge of different blockchain architectures
- Basics in cryptography
- Basics in cyber security

BLOCKCHAIN SECURITY

- Completed 3 competitive audits
 - Found 3 high severity vulnerabilities
 - Found 1 medium severity vulnerability (invalidated by Sherlock rules)
 - [Read my audit reports](#)
- Finished Damn Vulnerable DeFi and Ethernaut
 - [Read my writeup](#)
- Static analysis tools
- Knowledge of common ERCs (ERC-20, ERC-721, ERC-1155, ERC-4626 etc.)
- Familiar with OpenZeppelin and Solmate contracts
- Completed Smart Contract Security course on Cyfrin Updraft
- Uniswap V2 & V3
- Other DeFi primitives (lending, flash loans, AMMs)

LANGUAGES

- German - native
- English - business fluent

CAREER

SPYCE.5

Working student software development



January 2023 -
February 2024

- Automated IOTA Node Deployment on AWS with the AWS SDK
- Dockerization & CI/CD
- Processing payments with Stripe
- Project management and guidance of freelancers
- Node.js frontend and backend development
- PostgreSQL database development
- Firebase databases & authentication

CAREER

IOTA Foundation



April 2021 -
September 2022

Working student software development

- Creation of proof-of-concepts based on the IOTA blockchain
- Development of APIs for self-sovereign identities and data storage on blockchain
- Technical writing
- Containerization & CI/CD
- Maintenance of legacy software

CAREER

Carl von Ossietzky University Oldenburg **Tutor for programming, data structures,** **algorithms and programming**



April 2020 -
April 2021

-
- Guidance of 20 students in a tutoring course
 - Java programming
 - Sorting algorithms
 - Data structures
 - UML diagrams
 - Exceptions, generics, multithreading
 - I/O and GUIs in Java
 - Testing

SWMS Systemtechnik



May 2018 -
April 2021

Working student software development

- Frontend development with Angular
 - Fullstack development with ASP.NET and other .NET technologies
 - Conception, design and implementation of a dashboard for controlling Internet of Things (IoT) devices
 - Analysis and requirements analysis of automation possibilities through IoT technologies
-

UNIVERSITY EDUCATION

Master of Computer Science




2021 - 2024

Carl von Ossietzky University Oldenburg

- Various modules in the field of artificial intelligence
- Two semester project group on the topic of AI-based trading strategies on the electricity market
- Master's thesis entitled "Introducing a Platform for Automatic Deployment and Management of Secure and Scalable IOTA Smart Contract Chains"
- **Final grade: 1.06**

UNIVERSITY EDUCATION

Semester abroad
University of Oslo, Norway

 January 2022 -
June 2022



-
- Modules in the areas of blockchain and AI-based language processing

Bachelor of Computer Science
Carl von Ossietzky University Oldenburg

 2017 - 2021

-
- Bachelor's thesis entitled "AI-based detection and classification of defects in composite manufacturing processes using thermographic images"
 - **Final grade: 1.90**

VOLUNTEER POSITIONS

- City Lead of Volt Oldenburg  August 2024 - now
- Board of Volt Oldenburg  April 2023 - August 2024
- Dormitory student representation  October 2018 - February 2024
- Board of JuLis Oldenburg  October 2019 - October 2021
- Student tutor (computer science)  May 2020 - August 2024