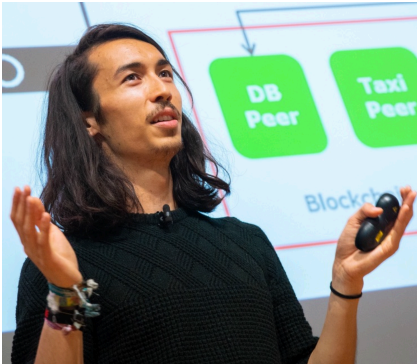


# Marcus Ding

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## EDUCATION

### HASSO-PLATTNER-INSTITUTE

**MSc IT-SYSTEMS-ENGINEERING**  
2020-2022, 2025 - present  
Writing thesis after 2 year study break focusing on the cubesat project and art.

**BSc IT-SYSTEMS-ENGINEERING**  
2015 - 2018  
Grade: 1.6. Served as spokesperson (Klubsprecher) for Makerklub.

## SKILLS

### PROGRAMMING

C, C++, Java, Python, TypeScript

### DEVOPS & INFRASTRUCTURE

Docker, Git, CI, Jenkins, Linux

### AI & DATA SCIENCE

PyTorch, OpenCV, scikit-learn

### WEB DEVELOPMENT

Three.js, React, Flask, MySQL

### LANGUAGES

German (C2), English (C2),  
Chinese (B2)

## LINKS

Github:// [kryptokommunist](#)  
LinkedIn:// [kryptokommunist](#)  
Portfolio:// [kryptokommun.ist](#)  
Twitter:// [kryptokommunist](#)

## EXPERIENCE

### SAP SIGNAVIO | SOFTWARE ENGINEER | PART-TIME

December 2025 - | Potsdam, Germany

- Developing application prototypes exploring and demonstrating new technologies.

### ROLLS-ROYCE | SOFTWARE ENGINEER | INTERNSHIP

May 2025 - | Berlin, Germany

- Automating DevOps applications and developing RAG agent applications.

### PLANETARY TRANSPORTATION SYSTEMS | SOFTWARE ENGINEER

May 2023 - Dec 2023 | Berlin, Germany

- Developed full-stack web applications with Flask, MySQL, React stack for customer Zeitfracht.
- Developed satellite onboard computer software for a CubeSat (STM32, FreeRTOS, C++). Satellite was launched successfully July 2024.

### MICROPSI INDUSTRIES | IT INFRASTRUCTURE & DEVOPS ENGINEER

Sep 2018 - May 2023 | Berlin, Germany | Part-Time

- Led IT infrastructure scaling from 10 to 50 employees, while valuation grew from \$2M to \$25M.
- Optimized DevOps workflows, implementing CI/CD pipelines, cutting deployment time by 60%.
- Managed network configurations and internal services, ensuring 99.99% uptime.

### FREELANCE | ML & SOFTWARE ENGINEER

2018 - 2020 | Berlin, Germany

- Implemented a deep learning model for human path prediction in interactive theater (PyTorch, PyQT5).
- Designed a multi-modal AI system on Jetson Nano for Ars Electronica, translating images into sound and vice versa, improved inference time 10x.

## OTHER ACTIVITIES

### XSTAGE MEMBERSHIP | EXPERIMENTAL STAGE PROJECT

2018 - Present

Built interactive science communication installations using microcontrollers, and 3D printing for festivals and conferences with 3000 - 100.000 visitors each.

### MINDFUL LEADERSHIP TRAINING | SPIRIT ROCK MEDITATION

CENTER

2022 | Online

Completed a 9-month training program focusing on emotional intelligence, resilience, and skillful communication in leadership.

### DESIGN THINKING BASIC TRACK | DSCHOOL

2018 | Potsdam, Germany

Designed and prototyped solutions for real-world challenges from industry partners with a human-centered design.