

# Ole Petersen

## Curriculum vitae

☎ +4915234551271  
✉ peteole2707@gmail.com  
🌐 <https://dev.to/peteole>

2021-02 – NOW

Founder  
**TUM**

Founding of a student group developing a platform that allows students to find their next student group

## EDUCATION

2020-10 – NOW

Technical University of Munich

**Bachelor of Science Engineering Science**

Score: 1.4

2020-05 – 2020-06

Voluntary tutor in old school

**Gymnasia Mainz-Oberstadt**

Voluntary support of mathematics and IT courses in my old school, helping out to overcome the difficulties of covid restrictions

2009-06 – 2020-04

Gymnasium Mainz-Oberstadt

**Gymnasium**

Score: 1.0

2020-11 – NOW

Jury member

**Bundeswettbewerb Informatik**

Being part of the evaluation team for the Bundeswettbewerb Informatik twice a year (including a small compensation)

## SKILLS

ADVANCED Golang, Typescript

INTERMEDIATE C++, Julia, Java, Python, PyTorch, TensorFlow, Kubernetes, Docker, Git, VSCode, SQL, Grafana, Prometheus, Humio, Linux, React/NextJS

BEGINNER Rust, Terraform, Azure

LANGUAGES German, English, French, Spanish

## AWARDS

2021-09

Deutschlandstipendium

**TUM**

I was chosen to be a scholar of the Deutschlandstipendium.

2020-09

Awardee of the final run of the 38th BWInf

**Bundeswettbewerb Informatik**

Got awarded in the final run of the 38th Bundeswettbewerb Informatik, a national competition for high school students in Germany

2020-06

National mathematics Olympiad Germany

**Mathematik-Olympiaden e.V.**

Participation in the online version of the national mathematics olympiad

2018-06

National mathematics Olympiad Germany

**Mathematik-Olympiaden e.V.**

Participation in the national mathematics olympiad

## JOBS AND INTERNSHIPS

2020-09 – NOW

Working student DevOps

**QAware**

Solving Cloud Native problems in a team for Telekom Magenta Voice

2017-01 – 2020-09

Tutor

**Tuition in Mathematics, Physics, IT and English**

Professional tuition for students from school and university

2018-01 – 2018-02

Intern

**DLR Braunschweig**

Student internship, getting to know the basics of CFD

2014

Jugend trainiert Mathematik

## *Bundesweite Mathematikwettbewerbe*

Participation in a program to train young mathematicians, consisting of two seminars per year and monthly exercise sheets

## PERSONAL PROJECTS

2021-06 – NOW

React, Postgresql, Docker, Kubernetes

### *Huddle*

Founding of a student group developing a platform that allows students to find their next student group

2021-09 – 2021-09

Drones, Auctions, Decentralized Systems

### *Collaborative Drone Interactions*

Participation in the Decentralized Drone Interactions Team of the Ferienakademie, investigating the decentralized deployment of drones with a focus on automated auctions

2018-06 – 2020-06

CAD, Aerospace, Engineering

### *H7-Jet*

Design of a flying-wing radio-controlled plane from the ground up

2019-07 – 2020-06

Aerospace, Engineering, C++, Arduino, PlatformIO

### *Flight Data Telemetry for RC Airplanes*

Development of hardware and software necessary to get live data from an RC plane to a laptop

2020-06 – 2020-08

Python, Tensorflow, Keras, Aerospace, Engineering

### *AI-Autopilot*

Development of an AI-based autopilot prototype in a team of four

2019-09 – 2020-06

C++, OpenCL, WebAssembly, Emscripten, Javascript, Neural Networks

### *ANN-Modules*

Development of a custom library to flexibly build neural networks; experimenting with GPU acceleration; porting to WebAssembly

2020-06 – 2020-07

C++, Arduino, PlatformIO, Engineering

### *SPMSatRx*

Arduino/PlatformIO library to interface spektrum satellite receivers

2018-07 – 2019-07

Java, Simulation, Eclipse

### *Economy Simulation*

Development of a simulation of a simple economy, modeling the production and the consumption of goods, special focus on a custom PriorityQueue

– NOW

...

### *Heidelberger Life-Science Lab*

Participation in HLSSL, a program encouraging young students to do their own research projects

## OTHER INTERESTS

- Outdoor running
- Camping
- Building RC Aircraft
- Reading tech stories