

# Johann Hemmann

**Software Engineer** in the making. Currently interested in Webassembly and Rust.  
Additionally, I am trying to be an active part of the civil society.



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## EDUCATION

### CODE University, Berlin — *B.Sc. Software Engineering*

September 2018 - May 2021

Project-based, interdisciplinary bachelor's program designed to prepare students for the reality of tomorrow's workplace.

### Georg-Samuel-Dörffel Gymnasium, Weida — *Abitur (1.7)*

August 2013 - August 2018

## Software Engineering Experience

### Rav1e (GSoc at Mozilla) — *Rust, Webassembly ([GitHub](#))* *The fastest and safest AV1 encoder.*

May - August 2020

Enable the use of rav1e as in-browser video encoder, using [wasm-bindgen](#). ([blog post](#))

### Social Record — *Golang, Kafka, Python ([GitHub](#))* *Distributed Social Media Scraping*

September - December 2019

Expose scraped & analyzed personal information to social media users.

### DevOps Engineer — *Python, Docker, Git/Gitlab* *DFKI Bremen ([website](#))*

June - August 2019

Containerization of currently in development software to simulate and plan robots in manufacturing environments ([project](#)).

## EXTRACURRICULAR

### Co-founder, Finance, Partnerships *//Slash Initiative ([website](#))*

Oktober 2018 - present

Initiated CODEs 2nd biggest student initiative, which aims to connect the Tech Scene of tomorrow by organizing proactive events.

### Green Campus Project

September 2018 - August 2019

Plan, Build and Maintain Hydroponics system on our campus to make it greener and more livable.

## SOFTWARE ENGINEERING SKILLS

### Software Engineering

- Rust (2018)
- Python (Pandas, Flask)
- Datastores (Kafka, Postgres, Redis, ...)

### DevOps

- Git/Github
- \*nix (Fedora, Ubuntu)
- CI/CD
- OCI-Container, K8s

### Other (intermediate skills)

- Typescript React.js
- Golang
- wasm/ wasi

## AWARDS

### Winner BCX (Bosch Hackathon)

March 2020

Won category „Tech4Climate“ by optimizing industrial processes for the availability of renewable energy. ([Twitter](#), [GitHub](#))

### Award for excellent academic achievements

March 2019

I and the other team members of my 2nd semester project “Artificial Life” got honored for outstanding results.

## LANGUAGES

German (native)

English (professional)

Russian (elementary)