

## EDUCATION

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### Karlsruhe Institute of Technology

B.S. Computer Science, Grade Average 3.1 on a scale from 5 (lowest) to 1 (highest).

Karlsruhe, Germany

October 2020–December 2023

– *Thesis*: Machine Learning-based Root Cause Analysis for Intelligent Production.

## COURSES

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- **Math**: Linear Algebra I & II, Real Analysis I & II, Probability Theory, Numerical Math for Computer Scientists
- **Computer Science**: Programming (Java), Software Engineering (Java), Programming Paradigms, Databases, Cognitive Systems, Theory of Computer Science I & II, Algorithms I & II, Advanced Algorithmic Programming, Operating Systems, Computer Networks among others
- **Physics**: Experimental Physics I & II, Modern Physics for Computer Scientists

## EXPERIENCE

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- **Freelance Software Developer** Online, January 2024–Current  
Working on a data scraping job with Exosome Consulting.
- **Stanford Existential Risk Initiative** Online, November 2022–December 2022  
Participated in John Wentworth's agent foundations training program. Conducted numerous exercises in conceptual research.
- **Forschungszentrum Informatik, Karlsruhe, Germany** March 2022–December 2022  
Research assistant focusing on generating visualization recommendations using an evolutionary algorithm combined with random forests and simple feedforward neural nets, based on artificial human feedback.
- **Karlsruhe Institute of Technology, Karlsruhe, Germany** April 2022–September 2022  
Collaborated with a team of four students to develop a C++ GUI plugin for the ArmarX distributed robot framework. A standout contribution of mine was the design and implementation of a foldable timeline that visually represented the robot's hierarchically structured memory over time, leveraging [Qt5](#) for the basic components.
- **Karlsruhe Institute of Technology, Karlsruhe, Germany** September 2021–December 2021  
Research assistant at the Chair for Political Economy. Sped up time to run online experiments for the chair from weeks to hours. I set up hosting of the experiments on Heroku and recruitment of participants through Prolific.

## EXTRACURRICULARS

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- **Coorganizer of local EA group Karlsruhe** April 2021–November 2023  
*Booking rooms, went through the paperwork to become an official university group.*
- **Member in [AI-Safety-Reading-Group](#)** October 2019–June 2020  
*Learned about risks from advanced artificial intelligence. Read *Human Compatible*, *Superintelligence* and *Rationality from AI to Zombies*.*
- **Commenting and occasionally posting on [Metaculus](#) and later [Lesswrong](#)** June 2019–Current  
*~ 2000 predictions on ~ 600 questions on Metaculus. Currently active only on Lesswrong.*

## PROJECTS

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- **Predicting the S&P 500** (Python, Numpy, Pandas), by sampling from past market data. I used this to win money on the [Almanis](#) prediction market. This method worked better for me than just eyeballing trends.
- **[fatebook.el](#)**. An Emacs plugin to create and upload predictions to Fatebook. I created the tool for my own use.