

# HERBERT ULLRICH

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## WHO AM I?

Self-motivated graduate student of Artificial Intelligence at its top Czech University with a degree and a large personal experience in Software engineering. Active fighter against fake news portals. Highly social, passionate about teaching and motivating students.

## TEACHING

- 10/2018 – 4/2019 **Tutor of Algorithms and Data Structures** Universität des Saarlandes  
As a tutor of the Master's course in *Algorithms and Data Structures* under prof. Raimund Seidel in Saarbrücken I had to prove good understanding of demanding topics s. a. computational geometry and polynomial multiplication using the Fast Fourier Transform. I gave my best to make the explanation clear and the abstraction natural. I established lasting friendships with my students.
- 9/2019 **Coding Bootcamp Lecturer** Czech Technical University in Prague  
I have prepared and taught a one-week intensive crash course covering the fundamentals of Linux and Python for the freshmen of CTU FEE. I emphasised a good understanding of the basics, providing many live code examples to demonstrate how a program actually comes together. I have motivated my students to think as a programmer and not be afraid to ask questions.
- 10/2019 **Copernicus Mock University Organiser** Copernicus Grammar School in Bílovec  
With a group of university students with various academic backgrounds, I have volunteered to organise a project that gives high school students a real taste of life at the University. During 5 days, I have taught and examined courses in *Cryptography* and *Game Theory*. I focused on making the class entertaining and motivating. My courses were very well received and got great reviews.

## WORK EXPERIENCE

- 2017 – 7/2018 **Full stack developer** STEM/MARK  
part time  
I was programming and consulting web technologies for the leading Czech statistical research company, managing successful projects **licence.joga.cz**, **PrediktorHmotnosti.cz** and **CasProZdravi.cz**.  
PHP / yii2 / bootstrap / PostgreSQL / R / shiny
- 2012 – 2014 **Web and phone developer** ON Semiconductor  
summer internships  
During 3 summer internships, I made contributions to the **onsemi.com** speed optimization project and wrote modules for collecting visitor feedback. I have developed ON's original Android/iOS app.  
JS / jQuery / Java / Spring / j2ee / Linux / Phonegap

## EDUCATION

- 2018 – 2020 (est.) **Master's Degree – Pending** Czech Technical University in Prague  
I am currently pursuing a Master's degree in Artificial Intelligence, focused on *Machine Learning*, *AI planning* and the complementary mathematics, s. a. *Combinatorial Optimization*.
- 2018 – 2019 **ERASMUS+** Universität des Saarlandes  
2016 – 2017  
I completed two stays abroad on the Saarland University in Saarbrücken. Along with my major (CS), I widened my perspective in related fields, such as *Computational Linguistics* and *Cryptography*.
- 2014 – 2018 **Bachelor's Degree** Czech Technical University in Prague  
I have graduated from the Open Informatics programme, with major in Software Systems, excelling in courses such as *Software System Architectures*, *Software Engineering*.

## LANGUAGES

**Czech** - native  
**English** - C1 - CTU cert.  
**German** - A2/B1 - UdS cert.

## HOBBIES

Hitchhiking, ultralight backpacking, whisky nosing, English Scrabble (prize 2014), powerlifting,  $\LaTeX$ .

## NON PROFIT

I co-founded **FairAdvertising.cz**, a social media project against the funding of fake news media outlets with ad revenue. 75 companies contacted, 20 responded.