

CONTACT ME



Hruskaa@af.czu.cz



+420-775-130-042



[Adam Hruška](#)



HIGHLIGHTS

- Advanced skills within the framework of computer vision and deep neural networks.
- Expertise within the field of food security

Adam Hruška

PhD student & Junior Researcher



WORK EXPERIENCE

Junior Researcher

BioResources & Technology Division (BRT) at FTZ/CZU

May. 2024 - Ongoing

- Prague, Czech Republic
- Working on food security and computer vision oriented research projects

Researcher

Czech University of Life Sciences, Prague

Nov. 2021

- Prague, Czech Republic
- Research of computer vision algorithms on the government project QK22010348 - Autonomous systems for integrated production of vegetables

Intern

British Embassy, Public Communications Dept.

Jan. 2019 - Dec. 2019

- Prague, Czech Republic
- Political communication department jobs including the preparation of a communication strategy for the defense department



EDUCATION HISTORY

Ph.D.

Czech University of Life Sciences, Prague

Ongoing

- Prague, Czech Republic

Masters in Agricultural Studies

Czech University of Life Sciences, Prague

Year of Graduation: 2022

- Prague, Czech Republic
- Dissertation research on *"Using of machine learning methods for weed detection in crops"*

Masters in International Security Studies

Charles University

Year of Graduation: 2021

- Prague, Czech Republic
- Dissertation research on *"Food Security and Machine Learning: Opportunities and Challenges"*

Bachelors in Political Science and International Relations

Charles University

Year of Graduation: 2019

- Prague, Czech Republic

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Adam Hruška




LANGUAGE SKILLS

- **English** - native speaker
- **Czech** - native speaker
- **German** - A2

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COMMUNICATION SKILLS

- Confident, articulate, and professional speaking abilities
- High and confident ability to speak in public, in groups, or via electronic media
- Presentation and negotiation skills Confident in presenting scientific work at international conferences or any forms of media

OTHER SKILLS AND EXPERIENCES

- Experience in teaching agriculture for BSc students
- Experience with the implementation of generative AI models
- Advanced knowledge of computer vision
Advanced knowledge in the whole field of artificial intelligence, especially deep neural networks
- Expertise in the framework of food security



LIST OF SCIENTIFIC PUBLICATIONS

ARTICLES

- **Hruška, A.**, & Hamouz, P. (2023). Verification of a machine learning model for weed detection in maize (*Zea mays*) using infrared imaging.