



Ondřej Zelba

Resumé / CV, 2023

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Nad Popelkou 1, Praha 5 (CZ)

Professional experience

2019 - 2023

Crop Research Institute Prague

Member of team Genetics and Breeding Methods, focusing on crop resistance to fungal pathogens

- *Laboratory work including isolating plant and fungal DNA, RNA, running PCR, KASP markers, electrophoresis, reverse transcription, preparing samples for sequencing, etc.*
- *Work in the field and greenhouse including disease resistance trials, rating, inoculation of plants, multiplication of inoculum*
- *Analysis and visualisation of data including high-throughput sequencing data in Linux software and R statistical software, image analysis of disease severities*
- *Writing, presenting, and publishing results*

2018

eAgronom Farm Management s.r.o.

Sales representative

- *Acquiring new customers - selling agricultural management software*
- *Account management, organizing trainings, seminars*

Education

2019 - 2023

Czech University of Life Sciences - Faculty of Tropical AgriSciences

Department of Crop Sciences and Agroforestry

- *PhD study program with dissertation topic focused on resistance to stem rust of wheat, defense planned for autumn 2023*
- *Program included courses on plant pathology, data analysis, and own teaching activities*
- *Incl. a 2 month internship at Aarhus University, Dept. of Agroecology, Denmark*

- 2016

Czech University of Life Sciences - Faculty of Tropical AgriSciences

Tropical Crop Management and Ecology

- *MSc program in English, diploma thesis focusing on quantifying agroforestry in Czech Republic*

- 2014

Czech University of Life Sciences - Institute of Tropical Agriculture

Agriculture of Tropics and Subtropics

- *BsC program, bachelor thesis focusing on utilizing trees on agricultural land in Central Europe*

Skills

Languages

Czech - native speaker
English - daily usage, fluent

PC

Office software (Microsoft Office suite, Google Docs suite), graphical software for image analysis (ImageJ including machine learning solutions, Adobe Photoshop), R statistical software for data analysis and visualization (R Studio with ggplot2 and numerous other packages)

Driver's licence

Type B