

Curriculum Vitae

Academic and professional background

Experience

Nov 2025 - Present
Bonn, Germany

Sales & Marketing

DynamoBot GmbH

- ✓ AgTech startup developing autonomous weeding robots (WeWeed, WeSee, WeMan)
- ✓ Supporting go-to-market strategy and customer engagement
- ✓ Bridging technical capabilities with market needs

Apr 2025 - Present
Bonn, Germany

Research Assistant (Wissenschaftliche Hilfskraft)

Agrobotics Group, University of Bonn

- ✓ Developing computer vision pipelines for agricultural robotics
- ✓ Building 3D plant simulation tools for synthetic training data generation
- ✓ Contributing to research on autonomous crop monitoring systems

Oct 2022 - Feb 2024
Bonn, Germany

Cook & Sushi Chef

Okinii

- ✓ Part-time position during studies

Oct 2021 - Sep 2022
Königswinter,
Germany

Arborist (Baumpfleger)

Baumpflege Ross

- ✓ Tree felling, pruning, planting, fertilization, and pest control

Mar 2021 - Oct 2021
Bonn, Germany

Veterinary Assistant

Tierarztpraxis Dr. Andrea Vollmar

- ✓ Assisted with treatments, laboratory work, ultrasound, X-ray, and surgeries

Feb 2020 - Jul 2020
Bonn, Germany

Administrative Officer (Sachbearbeiter)

KfW Bankengruppe

- ✓ Education finance information center

Education

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|---|---|
| Oct 2024 - Present Bonn, Germany | M.Sc. Crop Science (Digital Focus) University of Bonn Thesis: Synthetic data generation for intercropping research using 3D plant simulation Focus: Computational modeling, machine learning, plant phenotyping |
| Oct 2020 - Mar 2024 Bonn, Germany | B.Sc. Agricultural Science University of Bonn Bachelor of Science |
| Aug 2017 - Feb 2020 Bonn, Germany | Vocational Training: Bank Clerk (Bankkaufmann) KfW Bankengruppe Departments: Corporate Finance, Environmental Finance, Credit Risk Management, Education Finance |
| 2016 - 2017 Sankt Augustin, Germany | Abitur Rhein-Sieg-Gymnasium |

Technical Skills

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|--|---|
| PROGRAMMING <div>Python</div> <div>R</div> <div>TypeScript</div> <div>SQL</div> <div>Bash</div> <div>C++</div> | MACHINE LEARNING <div>PyTorch</div> <div>TensorFlow</div> <div>scikit-learn</div> <div>OpenCV</div> |
| SCIENTIFIC COMPUTING <div>NumPy</div> <div>SciPy</div> <div>Pandas</div> <div>Matplotlib</div> <div>PySAL</div> <div>GeoPandas</div> | TOOLS & DEVOPS <div>Docker</div> <div>Git</div> <div>GitHub Actions</div> <div>Linux</div> <div>Arduino</div> <div>Prometheus</div> |

Languages

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|------------|--------|
| German | Native |
| English | C1 |
| French | A2 |
| Portuguese | A1 |

Volunteer Work

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| Chancenwerk | Feb 2014 - Jul 2014 |
| Homework tutoring for students | |
| Forscherferien | Aug 2009 - Jul 2010 |
| STEM mentoring for children (Math, Computer Science, Natural Sciences, Technology) | |

Publications & Presentations

Publications and conference presentations will be added here as they become available.