

Andreas Boltres

Prinzenstr. 201, 53175 Bonn, Germany

+49 177 5658 493 ■ andreas.boltres@posteo.de ■ flunzmas.com ■ github.com/Flunzmas

Education

Sep. 2017 - Apr. 2021

M. Sc. Informatics (Computer Science)

Karlsruhe Institute of Technology, Germany ■ German GPA: 1.2

- Exchange year at Seoul National University, South Korea
- Specialization: Cognitive Systems, Theoretical Foundations
- Minor: Entrepreneurship

Oct. 2014 - Jul. 2017

B. Sc. Informatics (Computer Science)

Karlsruhe Institute of Technology, Germany ■ German GPA: 1.6

- Minor: Physics

Sep. 2006 - Jul. 2014

Abitur (Secondary Education)

Eschbach-Gymnasium Stuttgart, Germany ■ German GPA: 1.4

Theses

Variational Learning of Dynamics Models with Spatial Latent Variables

M. Sc. Thesis ■ Supervisors: *Prof. Dr. Techn. Gerhard Neumann, M. Techn. Vaisakh Shaj* ■ Grade: 1.0 (best possible)

Data-driven Generation of Multi-Contact Pose Sequences with Env. Affordances

B. Sc. Thesis ■ Supervisors: *Prof. Dr.-Ing. Tamim Asfour, Dr.-Ing. Peter Kaiser* ■ Grade: 1.0 (best possible)

Academic & Industry Experience

Jun. 2021 - *present*

Scientific Staff

Institute for Autonomous Intelligent Systems (AIS), Uni Bonn, Germany

- Focus: *Deep Learning for semantically informed video prediction*

May 2019 - Nov. 2020

Research Project & Student Assistant

Karlsruhe Institute of Technology, Germany

- Two-semester research project “Praxis der Forschung”, preparing for the work as a researcher
- Topic: *Reinforcement learning for deductive program verification*

Feb. 2019 - Dec. 2019

Student Assistant / Consultant

ESCde GmbH, Germany

- Chatbot development in C# with Rasa NLU

Oct. 2016 - Apr. 2017

Research Assistant

Fraunhofer IOSB, Germany

- Image processing in C++ for quality control in manufacturing

Sep. 2015 - Mar. 2016

Research Assistant

Fraunhofer IOSB, Germany

- Eye tracking software development in C++ and Qt5

Teaching Experience

Apr. 2016 - Jul. 2016

Teaching Assistant: Software Engineering I

Karlsruhe Institute of Technology, Germany

- Preparing a group of ~20 students for the exam
- Facultative certificate for tutors: "Introduction to Teaching"

Sep. 2010 - Jul. 2014

Afternoon Work Group Instructor

Eschbach-Gymnasium Stuttgart, Germany

- Executing a training plan in the *Table tennis* group
- Teaching technical knowledge in the *Computer for Girls* group

Involvements and Interests

Oct. 2020 - current

Leadership Talent Academy

Karlsruhe Institute of Technology, Germany ■ [Link](#)

- Seminars, workshops and discussions for future leaders in society
- Topics: Communication, business ethics, self-perception and others

Sep. 2019 - Feb. 2021

Chairperson for Student Dormitory Association

Student Dormitory "Insterburg", Germany

- Communication with tenant students and external partners
- Execution and organization of general meetings

Languages

- German and English (Fluent), French and Spanish (Advanced)
- Python, Dart, C#, C++, Java

Hobbies

- Cooking and vegan nutrition
- Outdoor sports (e.g. cycling, hiking, ultimate frisbee)
- Open source development

Publications

Affordance-Based Multi-Contact Whole-Body Pose Sequence Planning for Humanoid Robots in Unknown Environments.

Peter Kaiser, Christian Mandery, Andreas Boltres, Tamim Asfour ■ ICRA 2018: 3114-3121 ■ [Link](#)

Software

Jun. 2020 - Jan. 2021

seasoncalendar Seasonal foods calendar as open-source mobile app ■ [Link](#)Jan. 2022 - *current***vp-suite** Video prediction framework for the Neural Network Library *PyTorch* ■ [Link](#)

Honors

Sep. 2017 - Dec. 2017

Baden Württemberg-Stipendium Scholarship ■ [Link](#)

Apr. 2016

Microsoft Imagine Cup 3rd place in Germany, category "Games" ■ [Link](#)

Bonn, January 18 2022

Andreas Boltres