

# FINN RIETZ

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## OBJECTIVE

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Computer Science Master student with 4+ years programming experience in academia and industry seeking Deep Learning Ph.D. positions.

## EDUCATION

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**Master of Science: Computer Science**, University of Hamburg 2019 - ongoing  
Relevant courses: Bio-Inspired AI, Neural Networks, Machine Learning, Computer Vision, Intelligent Robotics  
Current GPA: 1.1

**Bachelor of Science: Human-Computer Interaction**, University of Hamburg 2015 - 2019  
Relevant courses: Software Engineering, Databases, Statistics, General & Developmental Psychology

## TECHNICAL SKILLS

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| <b>Languages</b>  | Python, Java, C#, Javascript, SQL, Bash, PHP, ABAP, Dart, HTML, CSS                    |
| <b>Frameworks</b> | PyTorch/Tensorflow, Matplotlib, Pandas, Flask, JQuery, SAPUI5, Flutter, NAOqi OS & API |
| <b>Others</b>     | Git, ROS, Docker, Debian Linux, Unity, Raspberry Pi, Softbank's Pepper                 |

## EXPERIENCE

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**Student assistant** Jul 2019 - ongoing  
[Knowledge Technology Research Group](#) *Hamburg, Germany*

- Implemented various applications on Pepper Robots, including:
  - Extensive work on Simultaneous Localization and Mapping for office navigation
  - ROS architecture for demonstration of internal projects
- Tutor for Cognitive Robotics Project 2020, 2021
- Webmaster for [KT Group's Website](#)

**Machine Learning Expert** Nov 2019 - Jan 2020  
[nextMedia.Hamburg](#) *Hamburg, Germany*

- Three months stipend for prototyping NLP solutions at [DER SPIEGEL](#)
- Successfully developed an N-Gram classification model for malicious advertisements, in collaboration with [Google Germany](#)

**Student employee: Fullstack SAP** Feb 2017 - Jun 2019  
[Otto Group IT](#) *Hamburg, Germany*

- Developed OData SAPUI5 customer feedback Web-app
- Developed SAP based anonymization pipeline for training data collection
- Build physical and software solution for always-on SCRUM board

## EXTRA-CIRRICULAR ACTIVITIES

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**Visiting Researcher** Sep 2020 - Dez 2020  
[Intelligent Robotics Research Group](#) *Umeå, Sweden*

- Three months stipend for developing a WoZ Interface for Pepper robot
- [Presented outcome](#) at 2020 Workshop on Affective Shared Perception
- Paper accepted in [Frontiers in Robotics and AI: Human-Robot Interaction: Technology and Code](#)