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EDUCATION

Ph.D. in Computer Science   04.2021 – 📅 Now
KTH Royal Institute of Technology   *Stockholm, Sweden*

- ***T**hesis*: "Language Development in the Digital Age"   ***S**upervisor*: Prof. Gabriel Skantze, Olov Engwall

  • Member of the doctoral chapter of the student union (Dr.THS)

M.Sc. in Cognitive Science (Language and Multimodal Interaction)   09.2018 – 10.2020
University of Trento(Center for Mind/Brain Sciences)   *Rovereto, Italy*

- ***T**hesis*: "Computational Models of Lexical Acquisition: Predicting the Age of Acquisition of Different Grammatical Classes"   ***S**upervisor*: Dr. Aurelie Herbelot, Dr. Afra Alishahi

M.A. in Human-computer Interaction   09.2017 – 09.2018
University of Trento   *Trento, Italy*

B.Sc. in Computer Science   09.2011 – 02.2017
Shahid Beheshti University– Yazd University   *Tehran & Yazd, Iran*

- ***T**hesis*: "Systems and Methods of Multi-threading in Android Operating System"   ***S**upervisor*: Dr. Mahmoud Fazlali

  • President of the Students' Computer Science Scientific Association   2012 – 2014

SKILLS

🔤 **Languages**

Native: Persian, Azerbaijani | Fluent: Italian, English | Elementary: Swedish, Russian

❯_ **Programming**
- Python: `Pandas`, `SciPy`, `PyTorch`, `TensorFlow`
- Statistics: Ⓡ
- Other: `Kotlin` (FurhatOS)

⬡ **Tools**
- Git/GitLab, Visual Studio Code, LaTeX
- Annotations: ELAN

✎ **Research**
- Experimental Design, Data Collection, Data Analysis, Statistics, Machine Learning

👤⁺ **Soft Skills**
- Project Management, Teamwork, Research, Presentation, Teaching.

WORK EXPERIENCE & TEACHING

KTH Royal Institute of Technology | *Doctoral Researcher*   04.2021 – 📅 Now

- ***T**eaching*
  • (DD2417) Language Engineering 7.5 credits – *Instructor*: Dr. Johan Boye   Spring 2023
  • (DT2140) Multimodal Interaction and Interfaces 7.5 credits – *Instructor*: Dr. Gabriel Skantze   Fall 2021, 2022

- ***S**upervision*
  • Mikael Törnwall, M.Sc. (KTH):"Contextual short-term memory for LLM-based chatbot"   06.2023
  • Beatrice Turano, M.Sc. (University of Trento):
    "Learning Language with Chatbots in the Era of Large Language Models: A Pilot Study"   02.2023

- Bachelor's Thesis Students: Gustav Engelmann (University of Freiburg, 06–08.2023), Erik Lekman and Antonia Drevenlid (KTH, 12.2022 – 06.2023)

- ***D***epartmental ***D***uties & ***C***ommission of ***T***rust
  - Representative in the school of Electrical Engineering and Computer Science (EECS) PhD Council   Since 01.2022
  - Doctoral representative of TMH in the Computer Science Doctoral Program Council.   Since 01.2022
  - TMH division's website webmaster (kth.se/is/tmh)   Since 01.2023

Furhat Robotics | *Associate Researcher*   11.2020 – 04.2021
- Research on Multimodal Language Learning

Tilburg University | *Research Assistant/Intern*   10.2019 – 08.2020
  - Research on Computational Modeling of Language Acquisition [Gelderloos et al., 2020]
  - Teacher Assistant for "Programming with Python" Course

Shahid Beheshti University | *Teacher Assistant*   2014 – 2016

- ***T***eaching
  - Digital Design 8.0 ECTS – Instructors: Dr. Mahmoud Fazlali   Spring 2014, 2015
  - Computer Architechture 8.0 ECTS   Fall 2016

SOCIETIES & COMMUNITY SERVICES

Institute of Electrical and Electronics Engineers (IEEE) | *Member*   01.2023

- ***R***obotics and ***A***utomation ***S***ociety
  - Reviewer at "IEEE Robotics and Automation Letters"

- ***Y***oung ***P***rofessionals

Association for Computing Machinery (ACM) | *Member*   05.2022
Cognitive Science Society (CSS) | *Member*   06.2020
Rays for Excellence | *Mentor*   Summer 2021

PUBLICATIONS

Lieke Gelderloos, **Alireza M. Kamelabad**, and Afra Alishahi. Active Word Learning through Self-supervision. In *Proceedings for the 42nd Annual Meeting of the Cognitive Science Society*, pages 1050–1056. Cognitive Science Society, 2020. URL https://cognitivesciencesociety.org/cogsci20/papers/0183/index.html.

Alireza M. Kamelabad and Gabriel Skantze. I learn better alone! collaborative and individual word learning with a child and adult robot. In *Proceedings of the 2023 ACM/IEEE International Conference on Human-Robot Interaction*, HRI '23, page 368–377, New York, NY, USA, 2023. Association for Computing Machinery. ISBN 9781450399647. doi: 10.1145/3568162.3577004. URL https://doi.org/10.1145/3568162.3577004.

TALKS, AWARDS, & PARTICIPATION

- HRI 2023 – Oral Presentation – Stockholm

- HRI Summer School 2023 – Poland

- scholarship