




Alireza M. Kamelabad







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Education

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| <p>Ph.D. in Computer Science
KTH Royal Institute of Technology</p> <p>- Thesis: "Language Development in the Digital Age"</p> <ul style="list-style-type: none"> Member of the doctoral chapter of the student union (Dr.THS) | <p>04.2021 →  Now
Stockholm, Sweden</p> <p>Supervisor: Prof. Gabriel Skantze,
Olov Engwall</p> |
| <p>M.Sc. in Cognitive Science (Language and Multimodal Interaction)
University of Trento, (Center for Mind/Brain Sciences)</p> <p>- Thesis: "Computational Models of Lexical Acquisition: Predicting the Age of Acquisition of Different Grammatical Classes"</p> | <p>09.2018 → 10.2020
Rovereto, Italy</p> <p>Supervisor: Dr. Aurelie Herbelot,
Dr. Afra Alishahi</p> |
| <p>M.A. in Human-computer Interaction
University of Trento</p> | <p>09.2017 → 09.2018
Trento, Italy</p> |
| <p>B.Sc. in Computer Science
Shahid Beheshti University- Yazd University</p> <p>- Thesis: "Systems and Methods of Multi-threading in Android Operating System"</p> <ul style="list-style-type: none"> President of the Students' Computer Science Scientific Association | <p>09.2011 → 02.2017
Tehran & Yazd, Iran</p> <p>Supervisor: Dr. Mahmoud Fazlali
2012 → 2014</p> |

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, L^AT_EX
 - Annotations: ELAN
-  Research
 - Experimental Design, Data Collection, Data Analysis, Statistics, Machine Learning
-  Soft Skills
 - Project Management, Teamwork, Research, Presentation, Teaching.

Work Experience & Teaching

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| <p>KTH Royal Institute of Technology <i>Doctoral Researcher</i></p> <p>- Teaching</p> <ul style="list-style-type: none"> (DD2417) Language Engineering 7.5 credits – <i>Instructor</i>: Dr. Johan Boye (DT2140) Multimodal Interaction and Interfaces 7.5 credits – <i>Instructor</i>: Dr. Gabriel Skantze <p>- Supervision</p> <ul style="list-style-type: none"> 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 Engelman (University of Freiburg, 06–08.2023), Erik Lekman and Antonia Drevenlid (KTH, 12.2022 → 06.2023) <p>- Departmental Duties & Commission of Trust</p> <ul style="list-style-type: none"> 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 | <p>04.2021 →  Now</p> <p>Spring 2023
Fall 2021, 2022</p> |
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<ul style="list-style-type: none"> • TMH division's website webmaster (kth.se/is/tmh) 	Since 01.2023
Furhat Robotics Associate Researcher - Research on Multimodal Language Learning	11.2020 → 04.2021
Tilburg University Research Assistant/Intern <ul style="list-style-type: none"> • Research on Computational Modeling of Language Acquisition [Gelderloos et al., 2020] • Teacher Assistant for "Programming with Python" Course 	10.2019 → 08.2020
Shahid Beheshti University Teacher Assistant - Teaching <ul style="list-style-type: none"> • Digital Design 8.0 ECTS – Instructors: Dr. Mahmoud Fazlali • Computer Architecture 8.0 ECTS 	2014 → 2016 Spring 2014, 2015 Fall 2016

Societies & Community Services

Institute of Electrical and Electronics Engineers (IEEE) Member - Robotics and Automation Society <ul style="list-style-type: none"> • Reviewer at "IEEE Robotics and Automation Letters" - Young Professionals	01.2023
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

Talks

Oral Paper Presentation 18 th Annual ACM/IEEE International Conference on Human Robot Interaction M. Kamelabad and Skantze [2023]	03.2023
Poster Presentation 4 th International Summer School on Human-robot Interaction M. Kamelabad and Skantze [2023]	09.2023

Grants (46,820 €) & Awards

Master Program Merit-based Full Scholarship (25,760 €) University of Trento For M.Sc. in Cognitive Science, Monthly Stipend, Tuition Fee Waiver, and Accommodation	09.2018 → 10.2020
Thesis Research Abroad Scholarship (900 €) University of Trento For M.Sc. Thesis Research at Tilburg University, Monthly Stipend	04.2020 → 07.2020
Erasmus+ Traineeship Scholarship (4,800 €) European Union Internship at Tilburg University, Monthly Stipend	10.2019 → 04.2020
Master Program Merit-based Scholarship (15,360 €) University of Trento For M.A. in Human-computer Interaction, Tuition Fee Waiver and Accommodation	09.2017 → 09.2018