IBRAHIM IBRAHIMOV

Research Scholar - Computer Science & Engineering

CONTACT

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REFERENCES

Tamás Gábor Csapó, PhD
Senior Research Fellow - Department of Telecommunications and Media Informatics Budapest University of Technology and Economics, Budapest, Hungary
> csapot@tmit.bme.hu
> +36-30-495-0215
> Relationship: PhD supervisor & MSc thesis co-supervisor

Gábor Gosztolya, PhD
Senior Research Fellow - ELKH-SZTE Research Group on Artificial Intelligence, Szeged, Hungary
> ggabor@inf.u-szeged.hu
> +36-62-546-713
> Relationship: MSc thesis supervisor & PhD co-supervisor

Tamás Vinkó, PhD
Associate professor - Department of Computational Optimization, University of Szeged
> tvinko@inf.u-szeged.hu
> +36-62-546-193
> Relationship: coordinator of MSc program in CS

SKILLS

Python　　　3+ yrs

C++　　　2 yrs

R　　　3+ yrs

EDUCATION

PhD - Computer Science & Engineering　　　**2023 - ongoing**
Budapest University of Technology and Economics - Budapest, HU

Research Interests: Speech technology, silent speech interfaces
Current Status: Initial research experiments, coursework, teaching activity

MSc - Computer Science　　　**2021 - 2023**
University of Szeged - Szeged, HU

Passed with **4.57/5 CGPA**. Thesis work on Silent Speech Interfaces: Applying Data Augmentation on Ultrasound Tongue Images.

BSc - Computer Science　　　**2017 - 2021**
The Academy of Public Administration under the President of the Republic of Azerbaijan - Baku, Azerbaijan

Passed with **96.05/100 CGPA**.

WORK EXPERIENCE

Graduate Student Researcher　　　**Jan-July, 2023**
SmartLab, TMIT, BME - Budapest, HU

I participated in research projects aimed at advancing the development of Silent Speech Interfaces (articulatory-to-acoustic mapping), with a particular focus on using ultrasound tongue imaging and the official results of my work can be found in publications part.

Personal Assistant　　　**Feb-Aug, 2021**
Ecom Solutions LLC - Baku, Azerbaijan

Responsibilities:
- Managed schedules, optimizing time efficiency.
- Facilitated communication between Mr. Najafov and the development team.
- Conducted user testing and provided feedback for projects.
- Contributed to planning and prototyping media content.

PUBLICATIONS

Data Augmentation Methods on Ultrasound Tongue Images for Articulation-to-Speech Synthesis　　　**Full paper**
12th ISCA Speech Synthesis Workshop (SSW2023), 230-235, doi: 10.21437/SSW.2023-36

Ibrahimov, I., Gosztolya, G., Csapo, T.G.
Status: Accepted, Published
link to: paper, poster, github

Matlab	2- yrs
Java	2+ yrs
Swift	1+ yrs
SQLite	1+ yrs
Deep Learning	2 yrs

ACHIEVEMENTS

Stipendium Hungaricum Scholarship for PhD degree by Tempus Public Foundation
2023-2027

Stipendium Hungaricum Scholarship for MSc degree by Tempus Public Foundation
2021-2023

Government Excellence Scholarship by the Republic of Azerbaijan
2017-2021

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IELTS

- Band 7.0 out of 9.0
- Taken in 2022, valid for 2 years

GRE

- Verbal Reasoning: 140
- Quantitative Reasoning: 159
- Analytical Writing: 3.0
- Taken in 2022, valid for 5 years

A Comparison of Data Augmentation Methods on Ultrasound Tongue Images for Articulatory-to-Acoustic Mapping towards Silent Speech Interfaces
Workshop on Intelligent Infocommunication Networks, Systems and Services - 2023 (WINS 2023), Budapest, Hungary.

`Full paper`

Ibrahimov, I., Gosztolya, G., Csapo, T.G.
Status: Accepted, Published
link to: paper, poster, github

Data Augmentation for Articulatory-to-Acoustic Mapping using Ultrasound Tongue Imaging
Speech Research Conference, 2023, Budapest, Hungary.

`Abstract`

Ibrahimov, I., Gosztolya, G., Csapo, T.G.
Status: Accepted, Published
link to: paper

WORKSHOPS & CONFERENCES

Speech Synthesis Workshop 2023 (SSW12)
University of Grenoble, Grenoble, FR

`Aug 2023`

poster presentation

Workshop on Intelligent Infocommunication Networks, Systems and Services (WINS 2023
Budapest University of Technology and Economics, Budapest, HU

`Feb 2023`

poster presentation

Speech Research Conference, 2023
Hungarian Research Centre for Linguistics, Budapest, HU

`Feb 2023`

oral presentation

EXTRACURRICULAR

- European Solidarity Corps volunteering activity in the Jewish Cultural Festival, in Krakow, Poland. 28.05.2023 - 10.07.2023
- European Solidarity Corps volunteering activity in the organisation Etudes et Chantiers Bretagne et Pays de la Loire, in Vezin le Coquet, France. 04.07.2022 - 30.08.2022
- Participant at "Gaming for Learning" Erasmus+ project in Poronin, Poland. 26.02.2022 - 06.03.2022
- Participant at "Sustainable Future with Erasmus+" Erasmus+ project in Bursa, Turkey. 28.10.2019 - 03.11.2019
- Head of Information Technologies department, Migration Volunteer Public Union, Baku, Azerbaijan. 15.04.2019 - 15.05.2020