



# IBRAHIM IBRAHIMOV

Research Scholar - Computer Science & Engineering

## CONTACT

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in Ibrahim Ibrahimov

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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

R 3+ yrs

Matlab 2- 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

Java	2+ yrs
Swift	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

### 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 Net-  
works, Systems and Services - 2023 (WINS 2023),  
Budapest, Hungary.**

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, Hun-  
gary.**

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**

poster presentation

**Workshop on Intelligent Infocommunication Net-  
works, Systems and Services (WINS 2023)**  
**Budapest University of Technology and Economics,  
Budapest, HU**

poster presentation

**Speech Research Conference, 2023**  
**Hungarian Research Centre for Linguistics, Bu-  
dapest, HU**

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

Full paper

Abstract

Aug 2023

Feb 2023

Feb 2023