

Seung-won Park (박승원)

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Education / Work

- [MINDs Lab, Inc.](http://MINDsLab.com) 2018.6 – 2018.8, 2019.1 – now
 - Working as a substitute of mandatory military service 2019.2 – 2021.2
 - Senior AI Scientist 2020.1 – 2020.6
 - Head AI Scientist 2020.7 – now
 - Leading audio/speech research projects in MINDs Lab.
 - Currently working on: Speech Synthesis, Voice Conversion.
 - Past works: Korean news article summarization, Text-Independent Speaker Verification, Speech Separation, Diarization, Enhancement.
- [Seoul National University](http://SeoulNationalUniversity.ac.kr) 2017 – now
 - Currently in temporary absence for mandatory military service
 - Pursuing a BS degree in Physics (GPA 3.91/4.30)
 - Double majoring in CS (GPA 3.06/4.30)
- [Gyeonggi Science High School for the gifted](http://GyeonggiScienceHighSchoolfortheGifted.com) 2014 – 2017.2
 - Got first prize on GSHS physics problem solving competition(2014, 2015), beating several IPhO gold medalists in school
 - Proposed and conducted research project as intern at [RISE Lab. @ Sungkyunkwan Univ.](http://RISELab.org) along with Hyoungjoo Kim 2015.4 – 2015.12

Research

Conference:

- Cotatron: Transcription-Guided Speech Encoder for Any-to-Many Voice Conversion without Parallel Data Interspeech 2020, [Seung-won Park, Doo-young Kim, Myun-chul Joe] [arXiv](https://arxiv.org/abs/2006.04550) / [Project Page](https://github.com/seungwonpark/cotatron) / [GitHub](https://github.com/seungwonpark/cotatron)

Workshop:

- Generating Novel Glyph without Human Data by Learning to Communicate NeurIPS 2020 Workshop on Machine Learning for Creativity and Design, [Seung-won Park] [arXiv](https://arxiv.org/abs/2006.04550)

Unpublished works:

- SCP Artificial Muscle로 작동하는 Antagonistic Robot Arm의 Feedback 제어 2015, [김형주, 박승원, Luong Anh Tuan, 문형필]
 - Precise feedback control of SCP Artificial Muscle introduced by [Haines et al.\(2014\)](https://arxiv.org/abs/1406.0026)
 - 22th Samsung Humantech Paper Award – Silver Prize

- Feedback Control of Forces Air-Cooling Speed for Prevention of SCP's Overheating 2016, [박승원, 오정현]
 - One of the first attempts to feedback control the SCP's cooling speed
 - GSHS best research award on physics

Open Source Contribution

- [MelNet](#) – Group project @ [Deepest](#)
- [MelGAN](#) – I reproduced the results before an official implementation had been released.
- [VoiceFilter](#) – My name was kindly acknowledged within the paper.
- [GSHS TeX Society](#) – Server Admin (Jekyll, PHP, CentOS) / Developer, Educator (LaTeX)
- Other miscellaneous projects are shown in [my GitHub profile](#).

Activities

- Reviewer
 - ICLR 2021, ICLR 2020
- [Deepest](#) 2019.01 – now
 - Vice President 2020.2 – 2021.2 (Season 7, 8)
 - SNU Deep Learning Society: 1 weekly hosting + 1 group project for each season
- [Lorem Ipsum Seminar](#) 2017
 - CS seminar of two physics students and one chemistry student
- Executive staff @ [Korean TeX Society](#) 2017.3 – 2019.10
- Founded [GSHS TeX Society](#) 2015.12 – 2017.2

Honors and Awards

- Physics
 - IPhO – South Korean team candidate 2016
 - Passed all 5 BS-level tests on [Physics Certification Exam](#) 2014 – 2016
 - Operated by [The Korean Physical Society](#) – Classical Mechanics, Electromagnetics, Quantum Mechanics, Thermodynamic & Statistical physics, Optics
- Competitive Programming (Codeforces: veydpz)
 - [UCPC 2018](#) – 14th place
 - [SNUPC 2017](#) – 2nd place on Div.2
- Scholarship
 - Presidential scholarship on science 2017 – now
 - [Hanseong Sonjaehan Scholarship](#) 2015 – 2016