# Seung-won Park (박승원)

- yyyyy (at) snu.ac.kr | [swpark.me](swpark.me) | [seungwonpark @ GitHub](seungwonpark @ GitHub)

# Education / Work

- [MINDsLab Inc.](MINDsLab Inc.) 2018.6 – 2018.8, 2019.1 – now
  - Senior AI Scientist 2020.1 – 2020.6
  - Head AI Scientist 2020.7 – now
    - Leading audio/speech research projects in MINDsLab.
    - Currently working on: Speech Synthesis, Voice Conversion.
    - Past works: Korean news article summarization, Text-Independent Speaker Verification, Speech Separation, Diarization, Enhancement.
- Working as a substitute of mandatory military service 2019.2 – 2021.2
- [Seoul National University](Seoul National University) 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](Gyeonggi Science High School for the gifted) 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.](RISE Lab. @ Sungkyunkwan Univ.) along with Hyoungjoo Kim 2015.4 – 2015.12

# Research

Preprint:

- Cotatron: Transcription-Guided Speech Encoder for Any-to-Many Voice Conversion without Parallel Data 2020, [**Seung-won Park**, Doo-young Kim, Myun-chul Joe] [arXiv](arXiv) / [Project Page](Project Page) / [GitHub](GitHub)

Unpublished works: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)](Haines et al.(2014))
  - 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

# 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

# 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](#).

# Extracurricular Activities

- [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