Seungwon Park (박승원)

- E-mail: yyyyy (at) snu (dot) ac (dot) kr
    - *Why so many 'y's?* – I love to ask why (pronounced like 'y') something happens!
- Webpage: swpark.me
- GitHub: seungwonpark

Education / Work

- MindsLab 2018.6 – 2018.8, 2019.1 – now
    - AI Scientist
        - Korean news article summarization (NLP)
        - Text-Independent Speaker Verification (Audio)
        - Speech Separation + Diarization (Audio)
        - Speech Enhancement (Audio)
        - Real-time Neural Text-To-Speech (Audio)
        - ... and more exciting projects going on!
    - Attended ICASSP 2019, DLRLSS 2019, InterSpeech 2019
        - Will be attending NeurIPS 2019
    - Working as a substitute of mandatory military service 2019.2 – 2021.2
- 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 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. along with Hyoungjoo Kim 2015.4 – 2015.12

Research

Disclaimer: None of those are published.

- 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)
    - 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 (WIP)](#)
  - Trying to implement [MelNet](#), working as a group project @ [Deepest](#)
- [MelGAN](#)
  - Implementation of [MelGAN](#).
  - Reproduced the results of the original paper before the official implementation was released.
- [Randomly Wired Neural Network](#)
  - First open-source implementation of [Xie et al. (2019)](#)
- [VoiceFilter](#)
  - Unofficial PyTorch implementation of Google's [VoiceFilter](#) system.
  - This was kindly acknowledged within revision of original 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 – now
  - SNU Deep Learning Society: 1 weekly hosting + 1 group project for each season
  - TikZ inverse graphics / MelNet / Neural steganography
- [Lorem Ipsum Seminar](#) 2017
  - CS seminar of two physics students and one chemistry student
- [Korean TeX Society](#) 2017.3 – 2019.10
  - Executive Staff
- [GSHS TeX Society](#) 2015.12 – 2017.2
  - Founder, 1st president