

# Seungwon Park (박승원)

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- E-mail: [yyyyy \(at\) snu \(dot\) ac \(dot\) kr](mailto:yyyyy@snuc.ac.kr)
  - *Why so many 'y's?* – I love to ask why (pronounced like 'y') something happens!
- Webpage: [swpark.me](http://swpark.me)
- GitHub: [seungwonpark](https://github.com/seungwonpark)

## Education / Work

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- [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)
    - Real-time Video Anomaly Detection (Vision)
    - ... and more exciting projects going on!
  - Attended [ICASSP 2019](#), [DLRLSS 2019](#), [InterSpeech 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)
- [경기과학고등학교\(GSHS, Gyeonggi Science High School for the Gifted\)](#) 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

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Disclaimer: None of those are published.

1. 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
2. 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

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- 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
    - 물리인증제 물리마스터 – 고전역학, 전자기학, 양자역학, 열및통계, 광학
- Competitive Programming
  - [UCPC 2018](#) - 14th place
  - [SNUPC 2017](#) – 2nd place on Div.2
- Scholarship
  - 대통령과학장학금 2017 – now
    - Presidential scholarship on science
  - 한성 노벨 영수재 장학생 2015 – 2016
    - [Hanseong Sonjaehan Scholarship](#)

## Open Source Contribution

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- [MelNet \(WIP\)](#)
  - Trying to implement [MelNet](#), working as a group project @ [Deepest](#)
- [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

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- [Deepest](#) 2019 – now
  - 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

- [Korean TeX Society](#) 2017.3 – 2019.10
  - Executive Staff
- [GSHS TeX Society](#) 2015.12 – 2017.2
  - Founder, 1st president

## Computer Skills

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- Highly experienced in LaTeX typesetting / educating
- Familiar with `*nix` utilities, git, GitHub
- Proficient in Python
  - Deep Learning(PyTorch, TF), Algorithm, Scientific calculation, Work automation, etc.
- Simple skills on Web Development (HTML, PHP, Jekyll)
  - Highly experienced in web crawling

## Miscellaneous

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- Languages: English (fluent), Korean (native)
- Citizenship: Republic of Korea