HWAYOUNG **CHOI**

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SUMMARY

Reliable Research Assistant pursuing degree in Information Technology. Interested in devising a better problem-solving method for challenging tasks. Has a research experience with 2+ years of machine learning, especially, neural engineering during graduate school. Successful in contributing to peer-reviewed articles and publications exploring Neural engineering.

SKILLS

- Documentation skills: Power Point, Word, Excel, LaTeX
- Computer Language Skill: Java, Python, C#, MATLAB, PHP, JavaScript, Kotlin, Flask
- Database & Other Skill: SQL, MySQL, MongoDB, Git
- Basic math skills/ Analytics
- Field research

EXPERIENCE

May. 2019 to Sep. 2019
Data Analyst Intern
Base – Vancouver, B.C
- Building ML models to analyze personality traits using users' text messages using Python

Jan. 2016 to Feb. 2018
Research Assistant
Soongsil University – Seoul, S. Korea
- Principal investigators during research into neural engineering topics.
- Write two papers introduced a novel neural decoding method
- Developed algorithms that can be used by amputee patients by analyzing EMG signal
- Teaching assistant of engineering math

Nov. 2012 to Dec. 2013
Teaching Assistant
Winners academy – Seoul, S. Korea
- Tutor secondary school students in math

EDUCATION

Jan. 2019 to Jun. 2021
Post Baccalaureate Diploma of Emerging Technology
Douglas College – New Westminster, B.C

Mar. 2016 to Feb. 2018
Master of Engineering
Soongsil University – Seoul, S. Korea
- Major in Neural Signal Processing
- Got a scholarship given to promising students in Engineering Dept.

Mar. 2011 to Feb. 2016
Bachelor of Electronic Engineering
Soongsil University – Seoul, S. Korea

Research

- **Choi, H**., You, K. J., & Shin, H. C. (2018, January). Multi-finger motion inference using M1 neural decoding. In 2018 International Conference on Information Networking (ICOIN) (pp. 18-20). IEEE.
- **Choi, H**., You, K. J., Thakor, N. V., Schieber, M. H., & Shin, H. C. (2018). Single-Finger Neural Basis Information-Based Neural Decoder for Multi-Finger Movements. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 26(12), 2240-2248.