

Seungjae Park

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RESEARCH INTERESTS

Machine Learning, Natural Language Processing, Time Series, Quantitative Finance, Asset Pricing, Portfolio Optimization

EDUCATION

Inha University, Incheon, South Korea GPA 4.38/4.5 2019.03 ~ Present
B.S. in Information and Communication Engineering
Minor in Global Finance and Banking

RELEVANT EXPERIENCES

2023 Data Creator Camp Excellence Award 2023.09 ~ 2023.12
Food Image Classification Performance Improvement Competition

IBAS 2022.09 ~ 2023.06
Inha Univ. Big Data Analysts Society: Machine Learning Paper Review¹²³

Software Maestro 11th 2020.05 ~ 2020.12
Creative Challenge Project Planning and Development Course, organized by the Ministry of Science and ICT: Developed a Robust Illegal Spam Detection Solution via CNN

Full-stack Freelance 2019.09 ~ 2019.12
INSIGHT: AI-based Mental Healthcare Solution Startup, [KRW 10million Project]

CERTIFICATIONS

Linux Master, Grade 2, Korea Association for ICT Promotion 2023.12

Digital Information Ability Test(DIAT), Korea Association for ICT Promotion

- Spread Sheet, Advanced Level 2012.12
- Word Processor, Intermediate Level 2012.04
- Presentation, Advanced Level 2011.09

TECHNICAL PROJECTS

Self-Balancing Robot, School Project C++ 2023.05 ~ 2023.06
2-Wheel Self-Balancing Robot with PID Controller, using ATmega4809 & MPU6050, no library dependencies, *Embedded System Capstone Design: Final Project*

3D Product Catalog, School Project C++ 2022.12
Interactive 3D Product Catalog with OpenGL & Blender, *Computer Graphics Capstone Design: Mini Project*

¹ActiveThief: Model Extraction Using Active Learning and Unannotated Public Data & Black-Box Ripper: Copying black-box models using generative evolutionary algorithms

²Semantic Image Segmentation with Deep Convolutional Nets and Fully Connected CRFs

³A Few Useful Things to Know about Machine Learning

Quick Pool, Open Source Python Rust 2021.11 ~ 2021.12
 High Performance Async Generic Pool for Rust, implemented by Lock-free Waiter Queue, [Downloads: 1.6K]

Spree, Startup Python C++ 2020.07 ~ 2020.12
 Robust Illegal Spam Detection Solution via CNN, *IITP-2020-SW Maestro training course*

↳ **Kotka**, Open Source Python 2020.07 ~ 2020.08
 Korean Obfuscation ToolKit for Data Augmentation, *IITP-2020-SW Maestro training course*

Hyeyum, School Project Python Javascript 2019.11 ~ 2019.12
 Language Habit Correction Robot with Google Speech Recognition API, *Creative Design for Information and Communication Engineering: Final Project*

Shim, Startup Kotlin Javascript 2019.09 ~ 2020.02
 Psychological Counselor Matching Platform, *Prography 5th*

Kodict, Open Source Rust 2018.11 ~ 2019.02
 Provides Korean Dictionary Implements and Crawler for Rust, [Downloads: 2.1K]

KokoaNLP, Contest Javascript 2018.04 ~ 2018.07
 Unsupervised Learning Korean Kernel Object Analyzer, *2018 Korea Olympiad in Informatics: Contest Track*

Touch Music, Contest Javascript Python Excellence Award 2018.03
 Easy Music Finder via Word2vec on Song Lyrics, *2018 KAIST Creative Team Coding Challenge*

SKILLS

Programming Languages

C++, Java, Kotlin, JavaScript, TypeScript, Python, Rust, Dart

Platforms & Frameworks

- General: Arduino, Spring, Android, Node.js, Flutter
- AI: TensorFlow, PyTorch
- DevOps: Docker

Databases

MySQL, PostgreSQL

EXTRACURRICULAR ACTIVITIES

Blue Chip Mutual Fund

2023.03 ~ Present

Financial Market Research & Stock Investment Institute in Inha Univ.

- Research Team Leader(2024.01 ~ Present)
- UIC 12th Investment Concert: Company Analysis Report⁴
- Company Analysis Presentation(YouTube)^{5,6} & News Article(Incheon Ilbo)⁶

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2019.03 ~ Present

Programming Study Group in ICE@Inha Univ.

- Group Leader(2023.07 ~ Present)
- Group Tutoring & Study Blog Writing, [Total 180K Views, Monthly 9K Views]

⁴Corteva, Inc.

⁵Synopex, Inc.

⁶Korea Aerospace Industries, Ltd.

ICESA Student Association for ICE@Inha Univ.	2019.03 ~ 2023.06
Prography 4th, 5th Collaborative IT Project Club: Full-stack Developer Track Developed a Psychological Counselor Matching Platform & Music Player App	2019.03 ~ 2020.02
WEBS Inha University Startup Support Foundation - Startup Club	2019.03 ~ 2019.12

(Last updated: Jan 2024)