Seungjae Park

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https://github.com/Astro36

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 Review [1][2][3]

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

TECHNICAL PROJECTS

Self-Balancing Robot, School Project C++   2023.05 ~ 2023.06
2-Wheel Self-Balancing Robot made with ATmega4809 & MPU6050, with no 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*

Quick Pool, Open Source 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*

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[1] ActiveThief: Model Extraction Using Active Learning and Unannotated Public Data & Black-Box Ripper: Copying black-box models using generative evolutionary algorithms
[2] Semantic Image Segmentation with Deep Convolutional Nets and Fully Connected CRFs
[3] A Few Useful Things to Know about Machine Learning

└ **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

BlueChip Mutual Fund   2023.03 ~ Present
Financial Market Research & Stock Investment Institute in Inha Univ.
- UIC 12th Investment Concert: Company Analysis Report[4]
- Company Analysis Presentation(YouTube)[5][6] & News Article(Incheon Ilbo)[6]

int i   2019.03 ~ Present
Programming Study Group in ICE@Inha Univ.
- Group Leader(2023.07 ~ Present)
- Group Tutoring & Study Blog Writing(Total 182k Views, Monthly 9k Views)

ICESA   2019.03 ~ 2023.06
Student Association for ICE@Inha Univ.

Prography 4th, 5th   2019.03 ~ 2020.02
Collaborative IT Project Club: Full-stack Developer Track
Developed a Psychological Counselor Matching Platform & Music Player App

(Last updated: Dec 2023)

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[4]Corteva, Inc.
[5]Synopex, Inc.
[6]Korea Aerospace Industries, Ltd.