

Seungjae Park

astro.psj@gmail.com
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

Blue Chip Mutual Fund 2023.03 ~ Present
Financial Market Research & Stock Investment Institute in Inha Univ.
• Research Team Leader & Fund Manager(2024.01 ~ Present), [Assets Under Management: ₩36M]
• Presented Company Analysis Seminars(YouTube)^{1,3}
• Wrote a Company Analysis Report² and News Articles(Incheon Ilbo)³

Software Maestro 11th 2020.05 ~ 2020.12
Creative Challenge Project Planning and Development Course, organized by the MSIT(Ministry of Science and ICT) and the IITP(Institute for Information and Communications Technology Planning and Evaluation)
Developed a Robust Illegal Spam Detection Solution via CNN

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

AWARDS & HONORS

Honor Student of Inha University, Every Semester 2019.09 ~ Present
Within the Top 5% of Grades by Department and Grade

2023 Data Creator Camp, Excellence Award 2023.09 ~ 2023.12
Food Image Classification Performance Improvement Competition, hosted by the K-ICT Big Data Center, and organized by the MSIT(Ministry of Science and ICT) and the NIA(National Information Society Agency)

KAIST Creative Team Coding Challenge, Excellence Award 2018.03
Middle and High School Student Software Project Contest, hosted by the KAIST and NCSoft, and organized by the KAIST GIFTED(Global Institute for Talented Education)

CERTIFICATIONS

Linux Master, Grade 2, KAIT(Korea Association for ICT Promotion) 2023.12
Digital Information Ability Test(DIAT), KAIT(Korea Association for ICT Promotion)
• Spread Sheet, Advanced Level 2012.12

¹Synopex, Inc.

²Corteva, Inc.

³Korea Aerospace Industries, Ltd.

- Word Processor, Intermediate Level 2012.04
- Presentation, Advanced Level 2011.09

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

int i 2019.03 ~ Present

Programming Study Group in Department of Information and Communication Engineering, Inha Univ.

- Group Leader(2023.07 ~ Present)
- Set up Study Groups and Published Blog Posts, [Total Views: 180K, Monthly Views: 9K]

ICESA 2019.03 ~ 2023.06

Student Association for Department of Information and Communication Engineering, Inha Univ.

IBAS 2022.09 ~ 2023.06

Inha Univ. Big Data Analysts Society: Machine Learning Paper Review^{4 5 6}

Prography 4th, 5th 2019.03 ~ 2020.02

Collaborative IT Project Club: Full-stack Developer Track

Developed a Psychological Counselor Matching Platform & Music Player App

WEBS 2019.03 ~ 2019.12

Inha University Startup Support Foundation - Startup Club

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*

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*

⁴ActiveThief: Model Extraction Using Active Learning and Unannotated Public Data & Black-Box Ripper: Copying black-box models using generative evolutionary algorithms

⁵Semantic Image Segmentation with Deep Convolutional Nets and Fully Connected CRFs

⁶A 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 2018.03
 Easy Music Finder via Word2vec on Song Lyrics, *2018 KAIST Creative Team Coding Challenge*

(Last updated: Jan 2024)