

JUYEON YOON

PhD Candidate, *School of Computing* in KAIST

🏠 <http://greenmon.dev>

🔗 <https://github.com/greenmonn>

EDUCATION

KAIST, Daejeon

March 2022 - Current

PhD Candidate of Computer Science

KAIST, Daejeon

March 2020 - February 2022

Master of Computer Science

KAIST, Daejeon

March 2014 - February 2020

Bachelor of Computer Science

RESEARCH INTEREST

Automated Test Generation, GUI Testing, Software Engineering with Natural Language Processing

PUBLICATIONS

Automatically Identifying Shared Root Causes of Test Breakages in SAP HANA2 (ICSE-SEIP 2022)

*Gabin An, **Juyeon Yoon**, Jeongju Sohn, Jingun Hong, Dongwon Hwang, Shin Yoo*

Repairing Fragile GUI Test Cases Using Word and Layout Embedding (ICST 2022)

***Juyeon Yoon**, Seungjoon Chung, Kihyuck Shin, Jinhan Kim, Shin Hong, Shin Yoo*

Enhancing Lexical Representation of Test Coverage for Failure Clustering (ASE Workshop 2021)

***Juyeon Yoon**, Shin Yoo*

Searching for Multi-fault Programs in Defects4j (SSBSE 2021)

*Gabin An, **Juyeon Yoon**, Shin Yoo*

Preliminary Evaluation of SWAY in Permutation Decision Space via a Novel Euclidean Embedding (SSBSE 2021)

*Junghyun Lee, Chani Jung, Yoo Hwa Park, Dongmin Lee, **Juyeon Yoon**, Shin Yoo*

DNN Model Deployment on Distributed Edges (ICWE Workshop 2021)

Eunho Cho, **Juyeon Yoon***, Jeongju Sohn, Jingun Hong, Dongwon Hwang, Shin Yoo*

LoRa-based Visual Monitoring Scheme for Agriculture IoT (SAS 2019)

*Mookeun Ji, **Juyeon Yoon**, Jeongwoo Choo, Minki Jang, Anthony Smith*

Context-Aware Notification System on Social Settings (KSC 2017)

*Gunwoo Kim, **Juyeon Yoon**, Juho Kim, Dongman Lee, Seongju Lee*

WORKING EXPERIENCE

Artifriends Inc.

June 2017 - December 2018

Web/Blockchain Developer

- Main developer of an asset management web service (Average 500 sessions per a day)
- Participated in building a Blockchain client software based on Proof-of-Stake consensus algorithm

SK Hynix

June 2016 - July 2016

Application Engineering Intern

- Learned about testing SSD hardware by detecting anomalous packets in SATA command layer protocol

TECHNICAL STRENGTHS

Programming Language
Tools

Python, JavaScript, Golang, Java
Git, Docker

HONORS & AWARDS

COSMOS Hackerthon (HackAtom) 3rd Prize

2019

- Implemented a p2p charity application based on Cosmos SDK and mobile web interface

Google Women Techmakers Scholarship

2019

- Selected as a recipient of 2019 APAC Women Techmakers Scholars Program

KAIST Writing Contest

2016

- Published as a series of KAIST, “*Courage of Being a Scientist*”

Dean’s List

Autumn 2016

- Top 3% Academic Performance

TEACHING EXPERIENCE

CS454: AI Based Software Engineering

Autumn 2020

Teaching Assistant

- A course about metaheuristic optimisation algorithms for software engineering

CS101: Introduction to Programming

Spring 2020 - Spring 2022

Teaching Assistant

- A course for freshmen to teach programming skills and computational thinking

ACTIVITIES

VOK: Voice of KAIST

- Worked as an announcer in KAIST official broadcasting club