

JUYEON YOON

PhD Candidate, *School of Computing* in KAIST

🏠 <http://greenmon.dev>

🔗 <https://github.com/greenmonn>

EDUCATION

KAIST, Daejeon

Master of Computer Science

March 2020 - February 2022

KAIST, Daejeon

Bachelor of Computer Science

March 2014 - February 2020

RESEARCH INTEREST

Software Engineering, Software Testing and Maintenance, Information Retrieval on Software Artifacts, Repository Mining, AI for SE, Testing Deep Learning Systems

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

- Developed and operated a asset management web service Sellymon (Average 500 visitors(sessions) per a day)
- Built state management system and RPC server in blockchain client program based on Proof-of-Stake consensus algorithm.

SK Hynix

June - July 2016

Application Engineering Intern

- Participated in SSD testing tasks, by observing packets through SATA command layer protocol.

TECHNICAL STRENGTHS

Programming Language

Go, Python, JavaScript, Java, C++, C, Solidity

Tools

Git, Docker

HONORS & AWARDS

COSMOS Hackerthon (HackAtom) 3rd Prize

2019

- Won a 3rd prize in the Cosmos blockchain network
- Implemented a p2p charity application on Cosmos SDK and mobile web interface

Google Women Techmakers Scholarship

2019

- Selected as a recipient of 2019 APAC Women Techmakers Scholars Program
- Participating a retreat on August 29th - 31st 2019 hosted by Google at Sydney office

BlockParty dApp Whitepaper competition

April 2018

- Won a second prize in the whitepaper competition in BlockParty 2018, hosted by Blue Point Partners

KAIST Alumni Scholarship

2015 - 2018

- KAIST Alumni Scholarship Committee

K-CAMP Scholarship

2017

- KAIST Convergence AMP & School of Computing

KAIST Writing Contest

2016

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

Dean's List

Fall 2016

- Top 3% Academic Performance

TEACHING EXPERIENCE

Mentor of KWSE KAIST Campus Tour & Mentoring Program

- Assisted campus tour and did mentoring activity to guide students to decide career path
- For female high school students of science club
- *Supported by the Association of Korean Women Scientists & Engineers*

Mentor of LG CNS SW Medical Engineering Camp

- 3-day camp, participated as a mentor and program organizer
- Designed and performed an experiment measuring brainwave(EEG) by emotion
- For disadvantaged high school students supported by *LG CNS* group

ACTIVITIES

VOK: Voice of KAIST

- KAIST official broadcasting club
- Worked as announcer in radio, MC of school festival
- Made several videos for guiding freshman students to familiar with new school

Chaingers: KAIST Blockchain Study Group

- Collected KAIST undergraduate students interested by blockchain technology
- Led seminar about technical fundamentals of Ethereum network, state management with Patricia-Merkle tree, and writing Smart Contract.