

# Jaeseok Huh (Jason)

Daejeon, Korea

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## PROFILE

- Master's student from KAIST studying in Computer Networking and seeking an opportunity for experience in **Software Engineering**
- Experience in problem-solving, good communication skills in English, and eagerness to learn and apply new technologies
- **Languages** – C, C++, Python(TensorFlow, PyTorch, OpenCV, Flask, PyTest), Javascript(Angular, D3), HTML, CSS(Less.js), PHP, Java, Android, C#(Unity), LaTeX / **OS** – Linux(Debian, Ubuntu), Mac OS, Windows
- **Cloud-Based Technologies** – AWS, Docker / **Collaboration Tools** – Git, Confluence, Trello

## EDUCATION

**KAIST** Daejeon, Korea  
M.S. in Computer Science Feb 2019 – Feb 2021 (expected)  
Computer Networking | Advisor - Sue Moon (sbmoon@kaist.edu)

**Hanyang University** Seoul, Korea  
B.S. in Computer Science and Engineering | Algorithm, Vision, and AI Feb 2015 – Feb 2019  
GPA - 4.05 / 4.5 (Summa Cum Laude) | Committee Member of University Programming Contest in 15', 16', 18'

## EXPERIENCE

**Hanyang University, Computer Vision Lab** Seoul, Korea  
*Research Intern* | Python (Tensorflow, PyTorch) Jan 2019-Nov 2019

- Replicated, applied, and improved the result of AI models for depth-map estimation, segmentation, and multi-object tracking with various approaches, such as attention mechanism and transfer learning

**NCSOFT Inc, AI NLP Research Team** Seongnam, Korea  
*Software Engineer* | Python, Angular.js Dec 2016-Feb 2017

- Developed multiuser-chatting application (using MQTT) to collect and pre-process user data for NLP models
- Designed and maintained the overall structure of an AngularJS-based web application (full-stack)
- Visualized the output of the NLP models on web (using D3.js)

**Beat-packing Inc.** Seongnam, Korea  
*Software Engineer* | Python (Flask) Aug 2015-Aug 2015

- Developed Customer & Sales Management System (using Flask and SQLAlchemy)
- Fixed transactional/asynchronous dependencies between unit-tests, and randomness issues (using PyTest)

## PROJECT

**Web of KAIST International Students Association (KISA)** | Python (Django) Mar 2019-Present  
• Developing a website and intranet for the KISA with a SSO service while abiding by privacy regulation as well as ameliorating the ties between domestic and international students at KAIST

**Text-based Analysis on University Ranking** | Python Apr 2019-Jun 2019  
• Built a model to predict the ranking of USNews-top-60-colleges given related articles and extracted salient linguistic features, using EMPATH(a free alternative to LIWC), GloVe embedding, and 22K online corpus; yielding ranking error of 11.16.

**A Scalable Lock Manager of MariaDB** | C, C++ Nov 2017-Dec 2017  
• Implemented *Lock-free* Reader-Writer Lock-table exploiting *bit-stealing* to resolve performance collapse on many-core machine in MariaDB, supporting bulk lock allocation/deallocation

## HONORS & AWARDS

**Honorable Mention (Finalist), Samsung Collegiate Programming Contest** 2018

**CK-II Scholarship** 2015-2019

**NAVER Scholarship** 2015-2017

**ACM-ICPC Asia Daejeon/Seoul Regional 16<sup>th</sup> / 24<sup>th</sup> / 21<sup>st</sup> place** 2015 / 2016 / 2018

**Achievement Award**, the Dean of Computer Science and Engineering at Hanyang University 2015