

# Minki Chung

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Kaggle: [www.kaggle.com/brekkanegg](http://www.kaggle.com/brekkanegg)

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This document is updated on May 16<sup>th</sup>, 2021

## RESEARCH INTEREST

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Computer Vision / Deep Learning / MLOps / AIOps

## EDUCATION

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Sep 2016 – Aug 2018      M.S. in Industrial Engineering (Datamining Lab.)  
Seoul National University, Republic of Korea  
Advisor: Sungzoon Cho

Feb 2011 – Aug 2016      B.S. in Industrial and System Engineering  
KAIST, Republic of Korea

## WORK EXPERIENCE

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Apr 2021 – Present      Vuno, Seoul, Republic of Korea  
DL platform engineering team. (Mlflow, Kubernetes)

Aug 2018 – Apr 2021      Vuno, Seoul, Republic of Korea  
Chest X-ray team. Abnormalities detection. (PyTorch)

Jan 2019 – May 2019      Vuno, Seoul, Republic of Korea  
Coronary CT angiography team. Coronary artery disease detection.  
(PyTorch)

May 2016 – Aug 2016      Kiswe Mobile, New Jersey, USA  
Development Internship. Developed a prototype to provide an interactive  
experience for users watching sports through the Kiswe Android mobile  
app. (Javascript, D3)

May 2016 – Dec 2016      Mozzet, Seoul, Republic of Korea  
Freelancer. Developed face scoring model for mobile application with deep  
learning. (Tensorflow)

Mar 2018 – Mar 2018      Fast Campus, Seoul, Republic of Korea  
Freelancer. Opened a course giving reviews on recent papers on  
computer vision and visual attention.

Jun 2015 – Aug 2015      Leevi, Seoul, Republic of Korea  
Data analysis internship. Semantic analysis based on community text data.

## PUBLICATIONS

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Resource Optimized neural architecture search for 3D medical image  
Segmentation, Woong Bae\*, Seunggho Lee\*, Yeha Lee, Beomhee Park,  
Minki Chung and Kyu-Hwan Jung.

International Conference on Information and Computer  
Technologies(ICICT), 2018,  
Dohyung Kim, Minki Chung, Hyochang Yang and Sungzoon Cho,  
“Squeezed Convolutional Variational AutoEncoder for Unsupervised  
Anomaly Detection in Edge Device Industrial Internet of Things”.

## COMPETITONS & AWARDS

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Mar 2021	Kaggle, VinBigData Chest X-ray Abnormalities Detection Silver Medal (40/1277)
Nov 2019	Kaggle, RSNA Intracranial Hemorrhage Detection Silver Medal (16/1345)
Oct 2018	Kaggle, RSNA Pneumonia Detection Challenge Silver Medal (23/1499)
Sep 2015	Korean Institute of Industrial Engineers(KIIE) Undergraduate Contest 1 <sup>st</sup> prize

## ADDITIONAL RESEARCH EXPERIENCE

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Mar 2017 – Dec 2017	Samsung Electronics Industry-academic cooperation. Unsupervised Anomaly Detection Technique on Edge Device.
Jan 2018 – Apr 2018	LG Electronics Industry-academic cooperation. Semi-Supervised Learning based Air Conditioning Load Prediction.
Sep 2016 – Sep 2018	M.S, Industrial Engineering, Seoul National University Semantic image inpainting with attention. (tensorflow) LoL Elo-Boosting detector using data crawler and unsupervised anomaly detection technique. (Selenium, Scikit-Learn, tensorflow)

## EXTRA ACTIVITIES

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Mar 2014 – Feb 2015	Engineer Without Borders, KAIST, Deajeon, Republic of Korea
Jun 2013 – Aug 2013	Cledor Marketing Adventure 9 <sup>th</sup> , Binggrae, Seoul, Republic of Korea
Mar 2012 – Dec 2012	President, Hiphop Dance Crew, KAIST, Deajeon, Republic of Korea
Oct 2012 – Jan 2014	Mentor, STX Volunteer, Daejeon, Republic of Korea
Mar 2015 – Jul 2015	Exchange student, Tsinghua University, Beijing, China

## SKILLS

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**Languages:** Korean (mother tongue), English (IBT 204, TEPS 874),  
Chinese(HSK 4)  
**Programming languages:** Python, JAVA, MATLAB, R  
**Detailed skills:** Deep learning (TensorFlow, PyTorch), MLOps (Mlflow,  
Kubernetes)