

EDUCATION

- **Sogang University** Seoul, Korea
Master of Computer Science, Data Engineering *Mar 2015 – Feb 2017*
- **Sogang University** Seoul, Korea
Bachelor of Computer Science *Mar 2011 – Feb 2015*

EXPERIENCE

- **Software Engineer, Backend Team** Seoul, Korea
CLASSUM Co *May 2022 - Present*
- **Software Engineer, SW Development Team Leader** Seoul, Korea
VUNO Inc *Mar 2021 - Apr 2022*
- **Software Engineer, SW Optimization Part Leader** Seoul, Korea
VUNO Inc *Mar 2020 - Feb 2021*
 - **SW Performance Optimization:** Optimizing Web Application using Spatial Indexing (e.g. R-Tree) [Blog]
 - **3rd Party Libraries:** rotatedEllipticalRoiTool, cornerstoneBase64ImageLoader, cornerstoneSideImageLoader
- **Software Engineer** Seoul, Korea
VUNO Inc *Jan 2017 - Feb 2020*
 - **Bone Age, CBCR System, Fundus AI, Chest PA, Pathology, Lung CT AI:** Developing Web, Api Services deploying python-based DL framework AI Models using react, flask, docker, graphql, websocket, celery
 - **Medical Transcription, Online Decoding:** Developing Web, Api Services deploying Vuno-Net (Deep learning framework based C++, CUDA) AI Models using python flask, WebAudio API
 - **Labeling Tools:** Developing Web, Api Services creating labeled data on medical 2d, 3d image using cornerstoneTools that provides a set of common tools needed in medical image
 - **CornerstoneTools Contributor:** Developing core functions including filling the region of segmentation brush
- **Adjunct Professor of Art & Technology** Seoul, Korea
Sogang University *Mar 2019 - Jul 2019*
- **Freelancer** Seoul, Korea
Web, iOS Application Developer *Aug 2013 - Jan 2017*

AWARDS AND HONORS

- **1st place (Grand award), 2014 Sogang Capstone Design: CCTV Project**
- **12th place (Bronze award), 2014 The ACM-ICPC Asia regional contest Daejeon site : Team - Kim N Kang**
- **12th place, 2013 The ACM-ICPC Asia regional contest Daejeon site: Team - I Might Be Accepted**
- **3rd place (Silver award), 2013 Sogang Programming Challenge Contests: Solo**
- **18th place, 2012 The ACM-ICPC Asia regional contest Daejeon site: Team - exclamation_point**
- **5th Place (Bronze award), 2011 Sogang Programming Challenge Contests: Solo**

EXTRA CURRICULAR ACTIVITIES

- **Serverless Deep Learning-based Web Application** *Oct 2021 - Present*
- **Problem Solving Blog** *Dec 2013 - Present*
- **Langrisser Information Web Service** *Dec 2019 - Present*
- **5th Software Maestro** *Jul 2014 - Nov 2014*
- **World Friends IT Volunteers (Uzbekistan)** *Jul 2014 - Aug 2014*
- **10th Nexon Global Internship** *Jan 2014 - Feb 2014*
- **President, Sogang ACM-ICPC Team (a problem-solving club)** *May 2012 - Dec 2013*

SKILLS

- **Languages:** C/C++11, Python, Javascript, Typescript, Swift
 - **Frameworks:** React, React-Native, GraphQL, Flask, Sanic
- Miscellaneous:** Vim, Aws, Git

PRESENTATION

- **FEConf 2021 [Slides][Video]**
Serverless Deep Learning Service with tensorflow.js 30 Oct 2021
- **SW Educational Festival 2020 [Video]**
AI X Medical Software Development Story 19 Nov 2020
- **SW Technical Seminar 2020 [Video]**
Medical AI Web Application and Optimization 23 Jul 2020
- **W3C HTML5 Conference 2018, 2017 [Slides]**
Medical AI Web Application 26 Nov 2018, 06 Dec 2017
- **Devview 2017 [Slides] [Video]**
Creating Tool for High-quality Data that has never happened in the History of AI in Medicine 17 Oct 2017