


Hyungrok Kim

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PROFILE

Unexperienced but passionated student developer anticipating for the first job to open my career. Belonged in Industrial Design department for 2 years, moved to Computer Science 2 years ago. Studied Data Science and NLP trying to understand the linguistic communication of emotions. Believes firmly that I will relish working as a web developer and serve people with better lives.

WORK EXPERIENCES

PLAYSOLUTION

Intern, Frontend Developer

Design and Develop Web Dashboard used to manage exchanges between content-providers, store-owners, distributors.

Angular2, Typescript

Jul 2017 - Aug 2017

Dajeon, Republic of Korea

UILAB

Undergraduate Researcher

Study on Metaphor Comperhension

Jul 2018 - Dec 2018

Dajeon, Republic of Korea

ORGANIZATION

Korea Design Membership

Attend various design classes

Mar 2016 - Feb 2018

EDUCATION

Korea Advanced Institute of Science and Technology

B.S. in Computer Science

Minor in Industrial Design

Mar 2014 - Present

Daejeon, Korea

CORSEWORKS

CS Major

CS574 Natural Language Processing

CS570 Artificial Intelligence and Machine Learning

CS492 Introduction to Machine Learning

CS474 Text Mining

CS470 Introduction to Artificial Intelligence

CS330 Operating Systems and Lab

CS320 Programming Language

CS311 Computer Organization

CS300 Introduction to Algorithms

CS230 System Programming

CS206 Data Structure

CS204 Discrete Mathematics

Others

ID307 Interface Design

ID220 Interaction Prototyping

ID302 Space Design

ID301 Product Design Factors

ID219 Computer-Aided Design

ID214 Digital Design Graphics

ID213 Product Design Fundamentals

ID212 Three-Dimensional Design

ID217 Presentation Technique

ID218 Photo Techniques

ID215 Introduction to Industrial Design

MAS109 Introduction to LInear Algebra

MAS205 Probability and Statistics

PROJECTS

REST Countries

<https://naranara.net>

Simple react webpage of listing various country information.

React, Redux, Typescript, Webpack, Babel, Sass

May 2019

ROKUROKU

<https://rokuroku.work>

Build web to show japanese old short-comics to viewers but mainly for my personal web development practice.

Django, React, Create-React-App, JavaScript, Sass, Nginx, uWSGI, Docker

Mar 2019 - Apr 2019

Arithmetic Hash

Build LSTM-based query encoder designed to replace the hash algorithm of p2p network

Pytorch, RNN, Markov Model

Jan 2019

Neural Poetry Scansion

Based on Original Paper (Proceedings of AAAI 2016) deep-learning apporach to improve performance on poetry-analysis

Pytorch, BiLSTM-CRF, Word2Vec

May 2018 - Aug 2018

GCN-RNNG based Korean NMT

Syntax-Aware Model for Neural Machine Translation with Morpheme Structure in Korean

Pytorch, SyntaxNet, GCN, RNNG, KoNLPy, Word2Vec

May 2018 - Aug 2018

HarmonyTable

Hardware project of combining harmony & turntable in Interaction Prototyping

Arduino

Sep 2016 - Oct 2016

FlyDuck

Tangible Interface Game

Processing, Arduino

Nov 2016 - Dec 2016

Rich Context Competition

<https://coleridgeinitiative.org/richcontextcompetition>

Deep Learning based model to comprehend scientific researches extract research fields, methods, and dataset usages

Pytorch, ELMo, BiLSTM-CRF, Word2Vec

Nov 2018 - Dec 2018