Yoonjin Chung

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https://github.com/YoonjinXD

Software developer with various experiences in Computer science. Skills include deep learning, data analysis, image processing, virtual operating system, and web/app developing. Have interests in neural network, natural language processing, data engineering, programming pattern, human-centered computer and interactive design.

EMPLOYMENT HISTORY

Jan 2020 - Present
Mobile App(iOS) Developer, Naver Corporation
Naver Main App Development.

Jul 2019 - Aug 2019
Summer Intern, Surromind Robotics
Research intern. Research into Visual Storytelling (*VIST*).

Mar 2019 - Jun 2019
Undergraduate Research Assistant, Korea University
Assistant researcher in Machine Learning & Vision lab. Research into Visual Relationship Detection.

Sep 2017 - Aug 2018
Undergraduate Research Assistant, Korea University
Assistant researcher in Operating System(OS) lab. Research into Virtualization in the Openstack environment.

Jul 2017 - Aug 2018
Web Developer, Pop in Bridge(PIB)
Developed and designed web-based music co-production websites.

Mar 2017 - Jan 2018
Web Developer, Korea University
Developed a web-based device booking system.

EDUCATION

Sep 2018 - Jan 2019
University of Copenhagen
Department of Computer Science. Exchange Student.

Mar 2015 - Feb 2020
Korea University, Degree of Bachelor
Department of Computer Science

PAPER EXPERIENCE

Jun 2018
Yoonjin Chung, Kyungwoon Lee, Chuck Yoo, "An analysis on the performance control technique for virtual machines in an Openstack environment", *Korea Computer Congress 2018 (KCC2018)*
Undergraduate Poster Session.

PROJECTS

Mar 2020 - Present
Osshub Mobile App (iOS)
Github Mobile App for enterprise (Github enterprise api v3 2.20)

Jul 2019 - Aug 2019

Visual Storytelling

Research into Visual Storytelling Challenge for sequential vision-to-language with the *GLACNet(2018)* as a base model. Enhancement of *GLACNet* and *Transformer(2017)* based Image Captioning model.

Apr 2019 - Jun 2019

Style Transfer in Text Project

Implementation of Korean Text Sentence Style Transfer. Trained TextCNN model and Attention RNN model to based on the text data crawled from SNS and portal sites. Created a feature extractor module using *KoNLPy* and *SoyNLP* libraries.

May 2019 - Jun 2019

Cloth2vec Project (Group)

Implementing of cloth recommendation system based on images. Trained *Variable Auto-encoder(VAE)* with the crawled data from *Musinsa* store. Data visualization by PCA and K-means Clustering.

May 2019

Visual Relationship Detection Analysis

Analysis and Experiments of '*Multimodal Attentional Translation Embedding(MATransE)*' model which is released to the public. Trials to improve the SLAM module of the pipeline by replacing word embeddings.

Mar 2019 - May 2019

Implementation of NLP libraries

Implementation of *Word2vec* and *Fasttext* libraries based on the corresponding papers. Used Pytorch library but not provided functions(e.g Forward, Backward, loss …). Including options such as CBOW, Skip-Gram, Subsampling, Analogical Task, Subword Embedding.

Nov 2018

Content Based Image Retrieval(CBIR) (Group)

Implementing CBIR based on the *CalTech 101* image database. Studying of SIFT descriptor.

Oct 2018

Feature Extraction and Matching (Group)

Detecting and matching features from simple images. Using OpenCV library.

Apr 2018

Interactive Visualization for Data Analytics

Creating a web-based interactive visualization.

Sep 2017 - Jun 2018

Performance Control Research in an Openstack Virtualized Environment.

Research into performance control of virtual machines and network in an OpenStack virtualized environment. Released Openstack(Pike version) installation guide and Ceilosca API analysis report. Published an undergraduate paper on Korea Computer Congress(KCC2018).

Jun 2017

Curtain in a room Simulation Project (Group)

Implementation of curtain simulator by using of OpenGL library in C++. The simulator reacts to mouse controls and can be opened and closed. All the objects of the simulator were generated by 'Maya'.

INTERESTS

Deep learning	Natural Language Processing	Programming Pattern	Computer Network
Data Mining/processing	Computer Vision	Distributed Computing	Web/API Development
Data Visualization	Mobile App Programming	Virtualization	IoT Programming

SKILLS & TOOLS

Swift	Linux OS	Php, Node.js	Jquery
Pytorch	MySQL/PostgreSQL	React.js	HTML/CSS/JS
Tensorboard	Docker/Openstack	D3.js	
Github, Bitbucket	Jupyter Notebook		

LANGUAGES

Python		Very Skillful
C++, C#		Skillful
Swift		Experienced
Java		Experienced
Korean		Native
English		Communicative
Japaness		Beginner