Yoonjin Chung

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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 - Osshub Mobile App (iOS)

Present Github Mobile App for enterprise (Github enterprise api v3 2.20)

Jul 2019 Visual Storytelling

- Aug 2019 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 Style Transfer in Text Project

- Jun 2019 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 Cloth2vec Project (Group)

- Jun 2019 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 Implementation of NLP libraries

- May 2019 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 Performance Control Research in an Openstack Virtualized Environment.

- Jun 2018 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

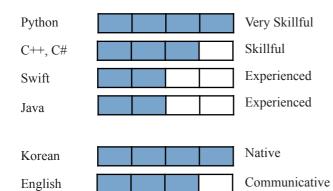
Swift Linux OS Php, Node.js Jquery

Pytorch MySQL/PostgreSQL React.js HTML/CSS/JS

Tensorboard Docker/Openstack D3.js

Github, Bitbucket Jupyter Notebook

LANGUAGES



Japaness Beginner