Yoonjin Chung

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https://yoonjinxd.github.io/Yoonjin/

Software developer with various experiences in Computer science. Skills include machine learning, data analysis, image processing, virtual operating system, data visualization, and web developing. Have interests in neural network, natural language processing, computer vision, human-centered computer and interactive design.

EMPLOYMENT HISTORY

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

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

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

May 2017 - Jan 2018 **Web Developer, Korea University**
Developing a web-based device booking system.

EDUCATION

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

Mar 2015 - Present **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

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'.

[References]

Pop in bridge - https://www.popinbridge.com/

MATransE Bitbucket repository - https://bitbucket.org/deeplabai/vrd/src/master/

[Code]

My Github repository https://github.com/YoonjinXD?tab=repositories

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INTERESTINGS

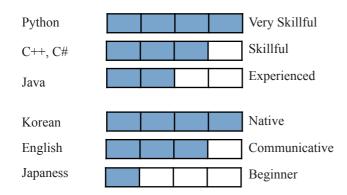|			
Deep learning	Natural Language Processing	Image Processing	Computer Network
Data Mining/processing	Computer Vision	Distributed Computing	Web/API Development
Data Visualization	Game Programming	Virtualization	IoT Programming

SKILLS & TOOLS

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

LANGUAGES

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