Jeongwhan Choi

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Personal Page

Education

Bachelor, Software Engineering *Mar 2016 - Expected Feb 2020*
Chonbuk National University, Jeonju Si, Jeollabuk Do, Republic of Korea

- GPA: 3.98/4.50

Work Experience

Undergraduate Student Researcher *Nov 2018 - Expected Nov 2019*
SSEL(Software System and Engineering Laboratory), Chonbuk National University

- Development of capability assessment evaluation algorithm for personalized self-study with Hanja-Chinese parallel.

Skills

Tools & Technologies,

- JAVA, Python, C/C++, JAVA, R, LaTeX, VBA, Unified Modeling Language
- Matlab, Android, Eclipse, IntelliJ, PyCharm, Jupyter Notebook, Git, RSA
- MySQL, Tomcat, JSP, HTML, Javascript, CSS, AWS

Industry Knowledge,

- Machine Learning, Deep Learning, Data Science
- Computer Vision, Natural Language Processing
- Software Engineering, Object Oriented Programming
- ARM Cortex-M3, ESP-8266

English,

- TOEIC 860
- Professional working proficiency

Publication

Iceberg-Ship Classification in SAR Images Using Convolutional Neural Network with Transfer Learning.
JICS(Journal of Internet Computing and Services), 19 (4), 35-44. *Sep 2018*

Honors & Awards

The National Scholarship for Science and Engineering *2018-2019*

- KOSAF(Korea Student Aid Foundation)
- This is the type of merit-based aid for four semesters
- This scholarship supports undergraduates with strong academic performance in science and engineering, with the purpose of developing future leaders in those fields.

Academic Excellent Scholarship *2016-2019*

- Chonbuk National University
- Receive a scholarship for the best grade during the four semesters.

Volunteer Experience

Contributor, *GitHub* *Jul 2017 - Present*

- Open Source Project Contributor

Translator, *GitLab Inc.* *Oct 2018 - Present*

- Contribute translations to GitLab using Crowdin
- Update the glossary

Certifications

Machine Learning, *Coursera* *July 2017 - Present*

- License EEYYGQPCFLN7

Machine Learning Engineer Nanodegree, *Udacity* *Jan 2018 - Present*

IBM Blockchain Foundation for Developers , *Coursera* *Feb 2018 - Present*

- License 5MMQUBFWE2K3

Professional Societies

KSII(Korean Society for Internet Information) *2018 - Present*

Projects

Smart Mailbox *Sep 2017 - Dec 2017*

- This project is the smart mailbox notifies a user when a new mail arrives at the mailbox.
- See project

Helicopter Battle Game *Apr 2017 - Jul 2017*

- This project is the game improvement project in Java.
- See project

Iceberg Classifier *Jan 2018*

- The goal is to create an image classification model that finds icebergs among SAR images collected by satellites.
- This project has a paper published in JICS.
- See project

Lane Finding Project *Mar 2018*

- The goal is to find the lane lines on the road.
- See project

Tic-Tac-Toe game for LPC 1768 *Jun 2018*

- This project is the Tic-Tac-Toe Game using ARM Cortex-M3(LPC 1768)
- See project

Recipe Assistant App *Apr 2018 - Jun 2018*

- This project is the recipe assistant app which helps people to cook an easy way.
- See project

Clone Driving Behavior *Jun 2018*

- The goal is to clone driving behavior via the CNN model.
- See project

Vehicle Detection *Jul 2018*

- The Software Pipeline to Detect Vehicles in a Video.
- See project

Advanced Lane Finding Project *Jul 2018*

- The goal is to find the lane line using advanced techniques.
- See project

Stock Price Prediction Model Based LSTM to Maximize Return on Investment *Oct 2018 - Dec 2019*

- The purpose of this project is to predict the long-term stock flow based on the AI prediction model and to derive meaningful ROI.
- This project has a paper which is not submitted.
- See project

Development of capability assessment evaluation algorithm for personalized self-study with Hanja-Chinese parallel. *Dec 2018 - Expected Nov 2019*

- The purpose of this project is to solve the problems of existing Hanja character difficulty selection method.
- It includes the technique for measuring the difficulty of Hanja characters using artificial intelligence.
- It also covers personalized learning induction technique using a clustering model.
- A paper and a patent are expected to derive from this project.