

JEONGWHAN CHOI
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[Personal Page Link](#)

EDUCATION

Bachelor, Software Engineering

Jeonbuk National University, Jeonju Si, Jeollabuk Do, Republic of Korea

Mar 2016 - Expected Aug 2020

- GPA: 3.98/4.50

WORK EXPERIENCE

Undergraduate Student Research Assistant

AI & SE Lab, Jeonbuk National University (Advisor: Prof. [Duksan Ryu](#))

Jan 2020 - Expected June 2020

- A Study on Quantitative Software Defect Prediction and Evaluation Techniques Based on Machine Learning

Undergraduate Student Research Assistant

SSEL(Software System and Engineering Laboratory), Jeonbuk National University (Advisor: Prof. [Suntae Kim](#))

Nov 2018 - Nov 2019

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

SKILLS

Tools & Technologies,

- Java, Python, C/C++, R, LaTeX, VBA, Unified Modeling Language
- Matlab, Android, Jupyter Notebook, Git, RSA
- MySQL, Tomcat, JSP, HTML, Javascript, JUnit

Industry Knowledge,

- Software Engineering, Object Oriented Programming, Design Pattern, Compiler, Software Testing(Static Analysis), Programming Language
- Machine Learning, Deep Learning, Data Science
- Computer Vision, Natural Language Processing
- ARM Cortex-M3, ESP-8266

English,

- TOEIC 860

PUBLICATION

Prediction for Configuration Bug Report Using Text Mining

Proceedings of the 22nd Korea Conference on Software Engineering (KCSE 2020), 22 (1), 376-383. Feb 2020

Prediction Techniques for Difficulty Level of Hanja Using Multiple Linear Regression

The Journal of the Institute of Internet, Broadcasting and Communication, 22, 219-225. Dec 2019

A Software Module That Analyzes the Relationship Between Headline and Content of the Web Article: CHIMERA.

The Proceedings of the 2019 KIIT DCS Summer Conference, 14 (1), 437-440. Jun 2019

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

PATENT

회귀 분석을 이용한 한자 난이도 측정 장치 및 방법 , 김순태, 최정환, 노지우
국내특허(출원번호:10-2019-0141339)

Nov 2019

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

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

대학생 논문 경진대회 우수 논문

Jun 2019

- KIIT(한국정보기술학회)
- A Software Module That Analyzes the Relationship Between Headline and Content of the Web Article: CHIMERA

Software Engineering Day 우수상

Dec 2019

- 전북대학교 소프트웨어공학과 주최
- A Software Module That Analyzes the Relationship Between Headline and Content of the Web Article: CHIMERA

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

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 2018

- 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(한자-중국어 병행 맞춤형 자기 학습을 위한 학습 역량 진단 평가 알고리즘 개발) *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 patent was derived from this project. "회귀 분석을 이용한 한자 난이도 측정 장치 및 방법 (APPARATUS AND METHOD FOR MEASURING DIFFICULTY LEVEL OF CHINESE CHARACTER USING REGRESSION ANALYSIS)"

Prediction for Configuration Bug Report Using Text Mining

Nov 2019 - Dec 2019

- The purpose of this project is to predict the configuration bug reports using machine learning techniques and NLP.