

# SangIl Mo

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“Failure is an option here. - Elon Musk”

## Education

### KwangWoon University

Seoul, S.Korea

BACHELOR OF SCIENCE

Mar. 2018 - Feb. 2022

- Department of Software, Major in System Software
- 3.94 / 4.50 GPA

### Hanyang University

Seoul, S.Korea

MASTER OF SCIENCE

Mar. 2022 - Feb. 2024 (expected)

- Department of Blockchain
- OSDC(Operating System Distributed Computing) Lab
- 4.33 / 4.50 GPA

## Work Experience

### Project

Role: Researcher

IMPLEMENTATION OF CONSENSUS

Aug. 2023 -

- Implement PBFT consensus
- Research and Develop FALCON consensus
- Develop sharding on distributed network with PBFT

### Blockchain Project

Role: Server Developer

DEVELOPMENT OF BLOCKCHAIN UNIFIED WALLET

Jan. 2022 -

- Develop the digital currency wallet which supports with various blockchain network
- Build Ethereum Client managing system on server and Apply to application

### Ethereum Project

Role: Development Leader

DEVELOPMENT OF P2P-BASED JOINT ORDERING WEB SERVICE

Sep. 2021 - Oct. 2021

- Ethereum with Metamask, without DB and Backend Server
- Learn Smart Contract weakness and complement to Decentralization

### Project

Role: Developer

DEVELOPMENT OF UNIVERSITY STUDENT'S SUBJECT MANAGEMENT CHATBOT SERVICE

Mar. 2021 - Jun. 2021

- Development Automated System for scraping student subject information using python
- Knowledge for Network and threads using programming

### AI Project

Role: Team Leader

DEVELOPMENT OF PROCESS TIME SERIES DATA CLUSTERING ALGORITHM USING DEEP LEARNING

Sep. 2020 - Jun. 2021

- CNN, Autoencoder
- Design and Train CNN model for labeling data
- Learn how to model neural network and clustering algorithms

### AI Project

Role: Team Leader

DEVELOPMENT OF STOCK PRICE PREDICTION AND AUTOMATED TRADING SYSTEM USING AI

Sep. 2020 - Dec. 2020

- LSTM, Reinforcement Learning
- Implement automated trading system with Reinforcement Learning
- Learn How Deep Learning and Reinforcement Learning works

### Project

Role: iOS Developer

DEVELOPMENT OF A MOBILE APP THAT PROVIDES AN EASY AND TRANSPARENT DONATION PLATFORM

Jun. 6th 2019 - Jul. 13th 2019

- Develop iOS mobile application for the service
- Learn Mobile App Lifecycle and how to build up mobile application

### Project

Role: iOS Developer

DEVELOPMENT OF A MOBILE APP THAT PROVIDES SUPPORT BUSINESS MATCHING SERVICE FOR STARTUPS

Dec. 23th 2018 - Jan. 12th 2019

- Support for development iOS mobile Application
- Design iOS mobile UI with storyboard

## Extracurricular Activity

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### Blockchain System Engineer Training Course

COURSE STUDENT

- Learn for Blockchain business basic theory, Web development, Ethereum Smart Contract, Hyperledger
- A program that learns core blockchain tech through practical projects

*Subjected By IITP*

*May. 2021 - Nov. 2021*

### Public Blockchain Introductory Course

COURSE STUDENT

- Learn what public blockchain is and how to work
- Help for understanding bitcoin, ethereum basic technology

*Subjected By NIPA*

*Jun. 29th 2020 - Jul. 3rd 2020 (40hr)*

### 2019 Likelion 7th Course

COURSE STUDENT

- Education for Web Programming to simply build web service using Django

*Subjected By Likelion*

*Jan. 2019 - Dec. 2019*

### Tech Forum by Ground X 2019

ATTENDANCE

- Introduction Klaytn Network and its consensus algorithm, also blockchain services based on Klaytn

*Subjected By Ground X*

*Nov. 2019*

### Univ. Students IT Venture Alliance, SOPT 24th iOS Department

COURSE STUDENT

- Education for how to build iOS mobile application
- Proceed practical mobile app project for 2weeks

*Subjected By SOPT*

*Mar. 2019 - Jul. 2019*

### 2019 Blockchain Pyeongchang Forum (BPF)

ATTENDANCE

- Introduce various Blockchain Services and Platforms
- Lectures about future of blockchain from 2019

*Subjected By Gangwon Province*

*Jan. 2019*

### Univ. Students IT Venture Alliance, SOPT 23rd iOS Department

COURSE STUDENT

- Education for how to build iOS mobile application
- Proceed practical mobile app project for 2weeks

*Subjected By SOPT*

*Jul. 2018 - Jan. 2019*

## Honors & Awards

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### DOMESTIC

Nov. 2021 **Excellence Award**, Blockchain system engineer training course project presentation

Jul. 2021 **Encouragement Award**, 2021 KCC Undergraduate Student Thesis Contest

Jun. 2021 **Excellence Award**, Kwangwoon University 2021-1 Chabmit Design Semester Performance Presentation

Jan. 2021 **Academic Excellence Scholarship**, Kwangwoon University Scholarship

Jan. 2019 **Encouragement Award**, SOPT 13th APPJAM Mobile Application Hackathon

Mar. 2018 **excellent admission Scholarship**, Kwangwoon University Scholarship

*Subjected By IITP*

*Subjected By KIISE*

*Kwangwoon Univ.*

*Kwangwoon Univ.*

*Univ. Alliance, SOPT*

*Kwangwoon Univ.*

## Qualifications

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### OPic

RANK: IH

*Validation*

*Sep. 2023*

### New TEPS

SCORE: 296

*Expired*

*Feb. 2021*

### TOEIC

SCORE: 880

*Expired*

*Mar. 2019*