

# MINHYEOK JANG

Software Engineer

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## OBJECTIVE

An Intermediate Software Engineer with 5+ years. Full stack Dev of website and mobile app services. I mostly do startup incubating, r&d project planning, business management as co-founder or freelancer.

## EDUCATION

2019-  
Present

### Ulsan National Institute of Science and Technology (UNIST)

*School of Business Administration (AACSB-accredited)*

Expected Graduation, March 2026

Major: Financial Accounting    Minor: Industrial Engineering

GPA: 2.88

Honors: Dean's List (4 semester)

2023  
Summer

### University of California Berkeley (UC Berkeley)

*Haas School of Business*

#### Accomplishments:

- Completed the entrepreneurship program of Korea Innovation Center Washington D.C.
- Developed the nail-art 3d scan AI solution and Ranked 5th out of 125 teams.
- Directed and Raised 30M KRW in seed money from government.

## WORK EXPERIENCE

2019

### Research Associate

*Ulsan Port Authority & UNIST*

#### Accomplishments:

- Designed a machine learning process and pipeline for quality prediction of cargo.
- Built sensor fusion and data acquisition system at two testbeds in bolt production.

2020-  
Present

### Freelance Software Engineer

*Sole Proprietorship*

#### Accomplishments:

- Programmed the website and mobile applications, data crawling softwares.
- Directed academic research subcontracts of GNTP and UIPA, TheBridge Co., Ltd.
- Produced the business revenue over 135M KRW by executing subcontracts.

2021-  
Present

### Co-Founder & CEO

*K-STEAM Co., Ltd.*

#### Accomplishments:

- Developed the block coding and physical computing mobile app by oneself.
- Produced the business revenue over 400M KRW by product sales.
- Directed and Raised 20M KRW in seed money from government.

2022-  
Present

### **Co-Founder & CTO**

*DNU Co., Ltd.*

#### **Accomplishments:**

- Developed the mobile app of nail-art platform based on React Native by oneself.
- Researched a semantic segmentation based virtual fitting system with AI model.
- Directed and Raised 336M KRW in seed money from government.

2024-  
Present

### **Co-Founder & COO**

*NeuralWave Co., Ltd.*

#### **Accomplishments:**

- Contracted the MOU and PoC with Busan Infrastructure Corporation (BISCO).
- Directed and Raised 190M KRW in seed money from government.

## **OTHER EXPERIENCE**

2018-  
Present

### **Development of AI-Based Algorithmic Investment.**

#### **Accomplishments:**

- Designed and Programmed the Home Trading System for securities trading.
- Researched the AI-Based stock prediction and time-series denoising system.
- Verifying the asset allocation algorithm in DB GAPS Competition at 2022.

2019-  
2023

### **Volunteer of donating an education**

#### **Accomplishments:**

- Organized and Instructed mentoring volunteers more than 30 people.
- Mentored software education to students(adolescent) more than 250 people.
- Created and Planned software education programs more than 20 cases.

2021-  
2023

### **Full-time Lecturer**

*Foundation for Industry Cooperation (FIC) of university of ulsan*

#### **Accomplishments:**

- Mentored robotics and programming activities to students about 70 people.
- Created STEAM education programs and related textbooks about 15 cases, belonging to Korea Foundation for Science and Creativity (KOSAC).

2021-  
Present

### **Educational Developer**

*Ulsan Youth Science Enquiry Association*

#### **Accomplishments:**

- Designed STEAM and software education curriculum about 13 cases under the supervision of 10 people of licensed teacher in association, belonging to KOSAC.
- Coordinated and Mentored the curriculums to more than 160 schools in Korea.

## **SKILLS**

- JavaScript (ES6, React, React Native)
- Python (Django, Flask, PyQt)
- Data Analytics (Pandas, scikit-learn)
- Embedded System (Arduino, Jetson)
- HTML / CSS
- Cloud (AWS, GCP)
- Deep Learning Engineering (TensorFlow, Keras, PyTorch)

## INTERESTS

- Company Building (AC/VC)
- Algorithmic Investment
- Microcontroller & Firmware
- 3D Printing Technology
- Bartending
- Origami

## INTELLECTUAL PROPERTY

- |      |  |
|------|--|
| 2021 | <b>Mastering K-STEAM Block Coding</b><br><i>ISBN-13 : 979-1-19-733063-6</i> <ul style="list-style-type: none"><li>• Published by K-STEAM Co., Ltd and licensed teachers for software education.</li><li>• Sold more than 4,000 copies to schools, public youth centers, et cetera.</li></ul> |
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## AWARDS

- |                                     |   |
|-------------------------------------|---|
| 2020                                | <b>Promising Student Startup Team 300+</b><br><i>Korea Entrepreneurship Foundation</i> <ul style="list-style-type: none"><li>• Participated with university club members and Ranked 7th out of 300 teams.</li><li>• Completed a course of crowd funding simulation, IR pitching, et cetera.</li></ul>                   |
| 2021<br><i>2<sup>nd</sup> Award</i> | <b>Data Hackathon for Artificial Intelligence</b><br><i>National Information Society Agency</i> <ul style="list-style-type: none"><li>• Developed a deep learning-based predictive marketing model with SNS data.</li><li>• Mentored 9 middle school students on the R&amp;E project.</li></ul>                         |
| 2021                                | <b>Commendation Award for Intellectual Property Development</b><br><i>Ulsan Metropolitan City Hall</i> <ul style="list-style-type: none"><li>• Contributed to the science and technology culture for educational programs.</li><li>• Nominated by foundation for industry cooperation of university of ulsan.</li></ul> |
| 2022<br><i>3<sup>rd</sup> Award</i> | <b>University Startup Contest</b><br><i>Kyungsang Ilbo</i> <ul style="list-style-type: none"><li>• Participated as K-STEAM Co., Ltd and Displayed an exhibition booth.</li></ul>  |
| 2023<br><i>2<sup>nd</sup> Award</i> | <b>Data Hackathon for MOIS Disaster and Safety Platform</b><br><i>National Disaster Management Research Institute</i> <ul style="list-style-type: none"><li>• Developed a reward system for public reports as mobile app with React Native.</li></ul>   |
| 2023<br><i>1<sup>st</sup> Award</i> | <b>Startup Idea Contest for Ulsan Regional University</b><br><i>Ulsan Center for Creative Economy &amp; Innovation</i> <ul style="list-style-type: none"><li>• Participated with members of DNU Co., Ltd as a university representative.</li></ul>  |
| 2024<br><i>2<sup>nd</sup> Award</i> | <b>Digital Startup Contest</b><br><i>Jeonnam Center for Creative Economy &amp; Innovation</i> <ul style="list-style-type: none"><li>• Participated with members of NeuralWave Co., Ltd and Displayed an exhibition booth.</li></ul>   |