

# Su Ji Kim

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## Education

### University Of Southern California (USC)

Los Angeles, CA

M.S. IN COMPUTER SCIENCE

June 2019 - May 2021

- Advisor: Prof. Xiang Ren
- Relevant Courses: Algorithms, Artificial Intelligence, Machine Learning, Natural Language Processing, Computer Networking

### Seoul Women's University

Seoul, South Korea

B.E. IN COMPUTER SCIENCE AND ENGINEERING

March 2015 - February 2019

- Overall GPA: 4.26/4.5 | Major GPA: **4.4**/4.5

### American School Foundation of Monterrey (ASFM)

Santa Catarina, NL, Mexico

ATTENDED MIDDLE SCHOOL (8TH GRADE)

June 2009 - June 2010

## Publications & Patent

### CONFERENCE

- [3] **ForecastQA: A Question Answering Challenge for Event Forecasting** [paper]  
Woojeong Jin, Rahul Khanna, Suji Kim, Dong-Ho Lee, Fred Morstatter, Aram Galstyan, and Xiang Ren  
*Association for Computational Linguistics (ACL)*, 2021
- [2] **Transmission Characteristics Analysis of VCCN using SUMO and ndnSim** [paper]  
Seung-Seok Kang, Suji Kim, Se-Eun Park, and Ye-Eun Chae  
*International Promotion Agency of Culture Technology (IPACT)*, 2018
- [1] **Cuboid based Geometric Calibration: A Preliminary Study** [paper]  
Soyoung Chung, Suji Kim, Hyeyeon Park, Joo-Haeng Lee, and Min Gyo Chung  
*International Conference on Control, Automation and Systems (ICCAS)*, 2017

### PATENT (KOREA)

- [1] **Patented application method that enables camera calibration in dark space using diffused RGB LED and enables camera calibration in various directions**  
Suji Kim, Hyeyeon Park, Soyoung Chung, Joo-Haeng Lee, Joo-ho Lee, and Min Gyo Chung  
Patent Application No. 10-2017-0147293 (Filing date: November 7, 2017)

## Experience

### Intelligence and Knowledge Discovery Research Lab, USC

Los Angeles, CA

RESEARCH ASSISTANT UNDER PROF. XIANG REN

December 2019 - PRESENT

- Focus: Question-Answering, Event and temporal extraction
- Participate in research on question-answering datasets for predicting events.
- Implement a Python program which evaluates human performance based on question-answering datasets.
- Initiate a Python program that extracts time expression using HeidelTime tool and merge extracted time data with related events.

### Iovine and Young Academy, USC

Los Angeles, CA

IOS DEVELOPER

June 2019 - September 2019

- Developed iOS application which helps customers to connect with farmers market and gain accessibility with a designer, backend developer, and project manager.

### AhnLab Inc.

Seongnam-si, South Korea

R&D INNOVATION TEAM INTERN

December 2018 - May 2019

- Implemented a Python program that automatically checks the company's source code and inputs AhnLab copyright.
- Reduced risk of source code leakage and accelerated search of source codes that do not contain the company's copyright.
- Supported software engineers with building open source license text file used to make the company's program.

## Seoul Women's University

UNDERGRADUATE RESEARCH ASSISTANT UNDER PROF. MIN-SEOK OH

Seoul, South Korea  
August 2018 - December 2018

- Designed spatial security program using face recognition provided by Amazon Web Service.
- Collaborated with another research assistant by interacting IoT smart lighting, Raspberry Pi Camera, and sensors with face recognition program.

## Seoul Women's University

UNDERGRADUATE RESEARCH ASSISTANT UNDER PROF. SEUNG-SEOK KANG

Seoul, South Korea  
January 2018 - December 2018

- Participated in research related to automobile communication utilizing SUMO in Linux environment.
- Supported the research with running test cases and presented the results using Excel.

## Seoul Women's University

UNDERGRADUATE RESEARCH ASSISTANT UNDER PROF. MIN-GYO CHUNG

Seoul, South Korea  
January 2017 - December 2017

- Engaged in research related to camera calibration on Spatial Augmented Reality (SAR).
- Created an experimental tool and ran an experiment for the International Conference on Control, Automation and Systems (ICCAS '17) paper.

## Projects

### Alexa Prize - Socialbot Grand Challenge 4

UNIVERSITY OF SOUTHERN CALIFORNIA

Los Angeles, CA  
November 2020 - PRESENT

- Building a dialogue system for Alexa to have a 20 minute conversation with humans using commonsense, sentence generation, etc.

## Awards & Scholarships

### AWARDS

February 2021	<b>[MLH] Best Use of Google Cloud</b> , HackSC 2021	Los Angeles, CA
March 2020	<b>[MLH] Best Use of MongoDB Atlas / [Twilio] Honorable Mention use of Twilio API</b> , LAHacks 2020	Los Angeles, CA
July 2018	<b>1st Place</b> , Unithon 7th (Hackathon), UNIT & NEXTERS:IT Unithon Club	Seoul, South Korea
October 2017	<b>Best Presentation Winners Award for Interactive Poster Sessions</b> , ICCAS '17	Jeju-do, South Korea
July 2017	<b>2nd Place</b> , Programming GURU2 Hackathon at Seoul Women's University	Seoul, South Korea

### SCHOLARSHIPS

Fall 2018	<b>Scholarship for Academic Excellence</b> , Seoul Women's University	Seoul, South Korea
Spring 2018	<b>Scholarship for Outstanding Academic Achievement</b> , Seoul Women's University	Seoul, South Korea
Fall 2017	<b>Scholarship for Academic Excellence</b> , Seoul Women's University	Seoul, South Korea
Spring 2017	<b>Scholarship for Outstanding Academic Achievement</b> , Seoul Women's University	Seoul, South Korea
Fall 2016	<b>Scholarship for Academic Excellence</b> , Seoul Women's University	Seoul, South Korea
Spring 2016	<b>Scholarship for Outstanding Academic Achievement</b> , Seoul Women's University	Seoul, South Korea
Fall 2015	<b>Scholarship for Academic Excellence</b> , Seoul Women's University	Seoul, South Korea

## Teaching Experience

### SW (Software) Advisor

SEOUL WOMEN'S UNIVERSITY

South Korea  
Spring 2018

- Teaching assistant for 'Software and Creative View' in Spring '18, which is a compulsory undergrad course occurring two times (6 hours) a week. This course teaches logical thinking through block coding.
- Opened office hours, called 'Advisor' time, to assist students who were struggling with homework assignments, coding, and lecture content for 3 hours a week.

### SW (Software) Advisor

SEOUL WOMEN'S UNIVERSITY

South Korea  
Spring 2017

- Teaching assistant for 'Software and Creative View' in Spring '17, which is a compulsory undergrad course occurring one time (3 hours) a week. This course teaches logical thinking through block coding.
- Opened office hours, called 'Advisor' time, to assist students who were struggling with homework assignments, coding, and lecture content for 6 hours a week.

## SW (Software) Volunteer

SEOUL WOMEN'S UNIVERSITY

South Korea

September 2016 - April 2017

- Taught computer utilization method, such as how to write a document using Microsoft Word at the disability service center.
- Teaching assistant for a special Arduino lecture to give students the ability to teach this material.

## Teaching Assistant

SEOUL WOMEN'S UNIVERSITY

South Korea

Fall 2016

- Special lecture of specialized major course: General Contents of C++
  - Checked the attendance and prepared a class (e.g., lecture notes, environment setup, register class room, etc).
  - Assisted students by answering their questions and debugging their bugs.
- Special lecture of advanced major course: C++ utilized with STL
  - Checked the attendance and prepared a class (e.g., lecture notes, environment setup, register class room, etc).
  - Assisted students by answering their questions and debugging their bugs.

## Extracurricular Activity

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### Mash-up IT Club

MEMBER OF IOS TEAM

Seoul, South Korea

March 2019 - June 2019

ASSISTANT MANAGER OF IOS TEAM

October 2018 - February 2019

MEMBER OF BACK-END TEAM

April 2018 - September 2018

### Drone research group (Prof. Seung-seok Kang)

VICE PRESIDENT

Seoul, South Korea

January 2017 - December 2017

MEMBER

March 2016 - December 2016

- Assembled Drone, and trained and practiced Drone control (generally).
- When vice president (2017), I launched a small association, assembled a small Arduino drone, and studied an operation principle of the drone.
- Gave a special lecture in middle-school about assembling and controlling the drone (2017).

## Technical Skills

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**Programming Languages** [Proficient] Python, Swift

[Basic] C++, C, Java, HTML, CSS, Javascript, LaTeX

**Database, Tools** MySQL, AWS (MySQL, S3)

**Version Control** Git, SVN