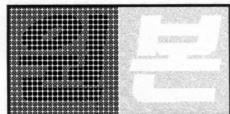


SUNGKYUNKWAN UNIVERSITY

Date : September 5, 2013

Issue No. : 12EI-UF7C-XBAJ-32UT

25-2, Sungkyunkwan-ro, Jongno-gu,
Seoul 110-745, Korea



Certificate of Graduation

Name in Full : KIM, HYUNYOUNG

Date of Birth : November 13, 1985

Sex : Female

Date of Admission : March 1, 2004

College/School : Information and Communication Engineering

Department : Computer Engineering

Date of Graduation : February 25, 2009

Degree Conferred : Bachelor of Science in Engineering

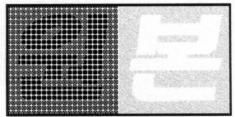
A certified copy of original

This is to certify that the above mentioned person graduated from the School of Information and Communication Engineering , Sungkyunkwan University.

Cho Joon Mo, Ph. D.
Vice President of Academic Affairs Division

SUNGKYUNKWAN UNIVERSITY

25-2, Sungkyunkwan-ro, Jongno-gu,
Seoul 110-745, Korea



Date : September 5, 2013

Issue No. : 12EI-TFZC-5B1J-D20T

ACADEMIC RECORD

Name in Full : KIM, HYUNYOUNG

Degree Conferred : Bachelor of Science in Engineering

Date of Birth : November 13, 1985

Sex : Female

Date of Admission : March 1, 2004

College/School : Information and Communication Engineering

Department : Computer Engineering

Date of Graduation : February 25, 2009

Course Title	Credits	Grade	Course Title	Credits	Grade			
<u>1st Semester 2004</u>								
Calculus I	3	A	Computer Engineering Experiment III	2	A			
C Programming	3	A	Database	3	B			
General Physics I	2	B+	Software Engineering	3	B+			
General Physics Laboratory I	1	A	Algorithm	3	A			
Volunteerism	2	P	Theory and Practice on Good Manners	2	P			
Introduction to Computer Science	2	B+	Field Training Program III for Information and Communication	4	A+			
Career Decision and Development	1	P	TERM: Credits:20 GP:68.0 GPA:3.78					
TERM: Credits:14 GP:42.0	GPA:3.82		<u>2nd Semester 2004</u>					
Calculus II	3	A	Computer Engineering Experiment IV	2	B+			
The Thought of Confucianism	2	B+	Operating Systems	3	A+			
General Physics II	2	B+	Information Theory	3	A+			
General Physics Laboratory II	1	A+	Artificial Intelligence	3	A			
Freshman English Conversation	2	B+	Computer Networks	3	A			
Introduction to Psychology	3	B+	Elementary Economics	3	B+			
Stenography	1	P	TERM: Credits:17 GP:68.5 GPA:4.03					
Internet Programming	3	B+	<u>1st Semester 2005</u>					
Introduction to Genetic Engineering	3	B+	Cryptography	3	A+			
TERM: Credits:20 GP:69.0	GPA:3.63		Compilers	3	A+			
<u>2nd Semester 2004</u>			*English for Science	2	A+			
Discrete Structures	3	A+	Science and Technology for the Future	2	P			
System Programming	3	B+	Seminar in Information Technology	1	P			
Introduction to Computer Engineering	3	A+	Data Communication	3	A+			
Object-Oriented Programming	3	A	Algebra I	3	A			
Engineering Mathematics 1	3	B	TERM: Credits:17 GP:61.5 GPA:4.39					
Leisure Sports	2	B	<u>2nd Semester 2005</u>					
Computer Architectures	3	B+	Practical Programming Languages	3	A+			
TERM: Credits:20 GP:75.0	GPA:3.75		*Human Computer Interaction	3	A+			
<u>1st Semester 2005</u>			Team Project	3	A+			
File Processing	3	A	Statistics for Engineering	3	A			
Computer Engineering Experiment II	2	A+	TERM: Credits:12 GP:52.5 GPA:4.38					
Linear Algebra	3	A+	* End of Record *					
Engineering Mathematics 2	3	B+	<i>A certified true copy of original</i>					
Logic Circuits	3	B+						
Data Structures	3	A						
Probability and Random Processes	3	B+						
TERM: Credits:20 GP:78.0	GPA:3.90		Total Credits 140 Cumulative Grade Point Average 3.93/4.5(93.16/100)					
<u>2nd Semester 2005</u>			Rank in Graduating Class of the Major	*****				
UNIX Programming	3	B+						

Remarks:

1. Hours-per-Week: One hour of class work per week for 1 semester makes 1 credit.
two or more hours of laboratory work per week for 1 semester make 1 credit.

2. Weeks-per-Year: 16 weeks make 1 semester and 2 semesters one academic year.

3. Grading System:

A+(95-100):4.5, A(90-94):4.0, B+(85-89):3.5, B(80-84):3.0, C+(75-79):2.5, C(70-74):2.0,
D+(65-69):1.5, D(60-64):1.0, F(0-59):0.0, P:Pass, R:Repeated Course, W:Withdrawal

Cho Joon Mo

Cho Joon Mo, Ph. D.
Vice President of Academic Affairs Division

KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY

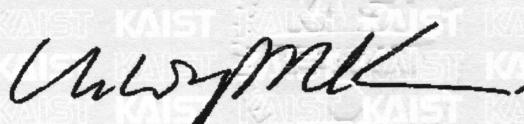
373-1 Guseong-dong, Yuseong-gu, Daejeon 305-701 KOREA
CABLE:KAISROK DAEJEON
TEL : 82-42-350-2114,5114 / FAX. : 82-42-350-2210,2220

September 11, 2013

To whom it may concern :

This is to certify that Ms. Kim, Hyunyoung attended the Department of Digital Media Program of the Korea Advanced Institute of Science and Technology (KAIST) from February 16, 2009 to February 1, 2011 and was awarded the degree of Master of Science in the field of Department of Digital Media Program on

February 1, 2011



Park, Hyunwook, Ph.D.
Dean of Academic Affairs.

KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY

Daejeon, Korea

ACADEMIC TRANSCRIPT

STUDENT NO : 20094037

DATE : September 11, 2013

Name	Date of Birth	Department of M.S. Digital Media Program			
Miss Kim, Hyunyoung	November 13, 1985				
Date of Admission	Degree Conferred Date	Department of Ph.D			
Feb. 16, 2009	M.S., Feb. 1, 2011				
Course Title	Course Number	Semester Credit	Grade	Grade Point	Place of Birth Korea
Principles of Management	06.034 Total	03 3.0	A+	0.00/4.3	Name Address of Parent or relative
Spring Semester 2009	26.505 26.550 26.626 26.631 26.931 Total	03 03 03 03 03 15.0	B+ A0 B0 B0 S	3.32/4.3	
Digital Signal Processing Digital Design Digital Image Processing Pattern Recognition Theory Research for M.S Thesis					Other Colleges and Degrees
Summer Semester 2009	26.729 Total	03 3.0	B+	3.30/4.3	
Virtual Reality Systems	11.020 26.554 26.682 26.931 Total	. 03 03 03 9.0	S B+ B0 S	3.15/4.3	
Fall Semester 2009	11.500 26.911 26.931 Total	03 06 09 18.0	S S S	0.00/4.3	Remarks :
Ethics and Safety I Digital Media<Digital Media> Sensor-based Systems<Sensor-based Systems> Research for M.S Thesis					1. Hours per week One hour class work per week for 1 semester makes 1 credit. Three hours of laboratory work per week for 1 semester make 1 credit.
Spring Semester 2010	26.931 Total	12 12.0	S	0.00/4.3	2. Grades and Grade Points (Changed as of Mar. 1, 1997) A+ = 4.3 A0 = 4.0 A- = 3.7 B+ = 3.3 B0 = 3.0 B- = 2.7 C+ = 2.3 C0 = 2.0 C- = 1.7 D+ = 1.3 D0 = 1.0 D- = 0.7 F (Failure) S (Satisfactory) U (Unsatisfactory) I (Incomplete) W (Withdrawal)
Scientific Writing Internship Research for Master Research for M.S Thesis					
Fall Semester 2010	26.931 Total	12 12.0	S	0.00/4.3	
Research for M.S Thesis					
	Total	60		3.27/4.3 88.55/100	

* In accordance with the academic regulations, the graduate student 'grades' received before March 1, 1997 were converted to new system as indicated below.
: A(3.0pts) -> A0, B(2.0 pts) -> B0, and C(1.0 pts) -> C0

Park, Hyunwook, Ph.D.

Dean of Academic Affairs.

