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# JINNAPAT INDRAPIROMKUL

*Computer Science graduate with proven industrial experience in software development specialized in cloud and microservice architecture.*

## WORK EXPERIENCE

### Cisco Systems Thailand, Chonburi — Test Engineer

SEPTEMBER 2018 - PRESENT

- Oversee test operations in contract manufacturer production line as a part of local team in Global Manufacturing Operations
- Assist test script conversion to a new Python web-based platform
- Drive production issues in collaboration with manufacture and product engineers

### Visma Software International, Oslo — Software Developer

SEPTEMBER 2016 - JANUARY 2018

- Built microservice on Azure Service Fabric using cloud architecture, implemented unit, integration tests and deployed to production
- Developed a new service to integrate multiple data sources and handle variety of data format
- Gained experience with automated deployment pipeline using Stash, TeamCity and Octopus
- Created a job scheduling application to demonstrate business use case of Azure Service Fabric, presented in an internal R&D Forum
- Implemented sentiment analysis with Naive Bayes classifier and extended NLTK Python library to support incremental training

## EDUCATION

### Korea Advanced Institute of Science and Technology (KAIST), Daejeon — B.Sc. Computer Science

SEPTEMBER 2012 - AUGUST 2018

- GPA 3.63/4.3, Dean's List in Fall 2015
- Major Coursework: Data Structure, Discrete Mathematics, Programming Language, Programming Principles, Computer Network, Introduction to Algorithms, Web Technologies and Business Strategies, Introduction to Artificial Intelligence, System Programming, Computer Organization, Computer Architecture, Embedded Computer Systems, Operating Systems and Lab, Distributed Systems

### Uppsala University, Uppsala — Exchange Program

JANUARY 2015 - JUNE 2015

- Coursework: Database Design, Sustainable Design

## SKILLS

**C#, Java, Python**, C, Scheme, MATLAB, AngularJS  
Azure Cloud Services, **AWS**  
Azure Service Fabric, Node.js, **Spring Boot**, Apache Hadoop, .NET, MongoDB, **Git**  
Adobe Illustrator, Adobe Photoshop, Adobe Lightroom

## CERTIFICATE & AWARDS

Machine Learning course certificate from coursera.org  
3rd place winner from UNDP Youth Co:Lab SDG Social Innovation Platform, Bangkok  
Best pitch award from SDGs Hackathon 2018, Bangkok

## LANGUAGES

Thai — Native  
English — Fluent  
Korean — Intermediate  
Norwegian — Beginner

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## PROJECTS

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### EmptyFridge – Web service to tackle food waste

- Designed a service that can be used as an extension of online grocery stores to predict food waste from a set of menus
- Implemented a full-stack web application to demonstrate the service using Spring Boot framework for database and web API, with AngularJS for user interface
- Conceptualized calculation method to suggest alternatives that would result in lower waste
- Presented in Green Challenge 2018 at DTU, Denmark

### Evaluation of load balancing mechanism for SDN controllers

- Completed as a part of Distributed System course
- Implemented load balancing mechanism for SDN controllers using Floodlight OpenFlow controller based on functional description in "A Load Balancing Mechanism for multiple SDN Controllers based on Load Informing Strategy" by Jinke Yu et al.
- Created a Python script that used Mininet API to build network topology and generate traffic
- Evaluated algorithm by observing load fluctuations during traffic simulated from real network data

### Systolic array for DNN accelerator

- Completed as a part of Computer Architecture course
- Created a simple systolic array simulator in Python
- Implemented feedforward algorithm that reflects realistic condition of limited processing elements and memory bandwidth

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## OTHER EXPERIENCE

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### Graphic Design

- Board member and media creator of Oslo OSI Ultimate club and KAIST Ultimate club
- Media creator for KAIST BizWorld, an international entrepreneurial student conference
- Art editor for high school yearbook, student magazine, science fair newsletter

### Ultimate Frisbee

- Former member of Oslo OSI Ultimate club, Oslo Pancake Circle Ltd., KAIST Ultimate club
- Participated in Norwegian Ultimate Series 2017 and Republic Of Korea Ultimate Spring Season 2018
- Participated in tournaments in Norway, Sweden, Denmark, Cambodia

### Sustainable Development

- Participated in SDGs Hackathon 2018 by UNDP Thailand
- Participated in National Ocean Exploration Forum 2018: All Hands On Deck at MIT Media Lab



# KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY

Daejeon, Korea  
ACADEMIC TRANSCRIPT

STUDENT NO. : 20121097

DATE : January 5, 2019

NAME IN FULL	DEPARTMENT	School of Computing School of Computing	DEGREE RECEIVED		DATE OF COMPLETION	DATE OF ADMISSION	GRAND TOTAL CREDIT	
			B.S.					
Jimnapat Indrapitromkul	(F) MAJOR					Sep. 1, 2012	TOTAL G.P.A	157.0 3.63/4.3
DATE OF BIRTH	September 24, 1993	MINOR				Aug. 26, 2018		92.55/100
Subject	Credit	Grade	Subject	Credit	Grade	Subject	Credit	Grade
Credits transferred								
English Communication Critical Thinking in English	01 02 3.0 Total G.P.A 0.00	S	German Conversation Special Topics in Social Sciences<Anthropology of Materiality> Classical Electromagnetism I Modern Physics Quantum Mechanics I Discrete Mathematics	03 03 03 03 03 Total G.P.A 3.61	A- A+ A- B+ B0 A-	Fall Semester 2017 International Internship Program(Graduation Research) II Total G.P.A 12.0 0.00	12 12.0 0.00	S
Fall Semester 2012								
Exciting College Life Basic Korean I for Foreign Students General Physics I General Biology General Chemistry I General Chemistry Experiment I Calculus I Introduction to Linear Algebra Introduction to Programming	14U 03 03 03 03 01 03 03 03 Total G.P.A 3.80	S A+ A- B+ A+ A0 A- B0 A+	Chinese Conversation Classical Electromagnetism II Quantum Mechanics II System Programming Introduction to Algorithms Computer Organization	03 03 03 03 03 03 Total G.P.A 18.0 3.43	A+ C0 B- A+ B+ A0	Spring Semester 2018 Probability and Statistics Computer Science Project Computer Architecture Distributed Systems Total G.P.A 12.0 3.85	03 03 03 03 03 Total 12.0 3.85	A- A- A- A- A+
Spring Semester 2013								
Happy College Life Basic Korean II for Foreign Students Special Issues in History<Modern European and American Intellectual History> Intermediate Korean I for Foreign Students General Physics II General Physics Lab. I Classical Mechanics I Calculus II Differential Equations and Applications	14U 03 03 03 03 01 03 03 03 Total G.P.A 3.64	S A0 A- A0 A+ A0 B- A0 B-	Fall Semester 2015 Korean History and Culture for International Students Embedded Computer Systems Programming Language Web Technologies and Business Strategies Introduction to Artificial Intelligence	03 04 03 03 03 03 Total G.P.A 16.0 4.00	A+ A+ A0 A0 B+ A0			
Fall Semester 2013								
Humanity/Leadership I Health Administration<logging> Anthropology of Food General Physics Lab. II Advanced Physics II Mathematical Methods in Physics I Classical Mechanics II Data Structure Programming Principles	14U 24U 03 03 03 03 03 03 Total G.P.A 3.36	S S A- A+ B0 B+ B+ B+	Honor (Dean's List) Winter Semester 2015 Individual Study	01 1.0 0.00 Total G.P.A 0.00	S			
Spring Semester 2016								
Individual Study	01 1.0 Total G.P.A 0.00	S	Dance Sport Humanity/Leadership III<Korea Culture Trip> Ethics and Safety II New Media and Communications Computer Network Operating Systems and Lab Mobile Computing and Applications	24U 14U 03 03 04 03 Total G.P.A 13.0 3.39	S S A0 A- B0 B0			
Winter Semester 2013								
Individual Study	01 1.0 Total G.P.A 0.00	S						

Yong-Ioon Cho, Ph.D.  
Associate Vice President of Academic Affairs