

## EDUCATION

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### Boostcamp AI Tech, Naver Connect

Jan 2021 –

- 5 months of full-time program to learn fundamental knowledge in deep learning including mathematics, statistics, programming and its applications such as Natural Language Processing(NLP), Computer Vision(CV), and Deep Knowledge Tracing(DKT)

### Graduate Diploma in Systems Analysis, National University of Singapore, CGPA: 4.74/5, *2nd top student* 2016 – 2017

- One year full-time program that encompasses programming, UI/UX design, system architecture, and Agile methodology
- Awarded ISS Book Prize for the 2nd top student out of 100+ students

### M.A. in Geography, Seoul National University, CGPA: 4.26/4.3

2012 – 2014

### B.A. in Geography, B.A. in Economics, Seoul National University, CGPA: 3.87/4.3, *1st in the list*

2007 – 2012

## WORK EXPERIENCE

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### Technical Consultant, Global Treasury Advisory

Dec 2018 – Jan 2021

Deloitte & Touche, Risk Advisory, Singapore

- Delivered digital transformation projects for treasury departments of MNCs by automating manual processes, enhancing reporting with business intelligence, and exploring applications of advanced technologies
- Implemented cloud-based Treasury Management System for an MNC in the energy industry to reduce the risk of fraud and data leakage and saving cost, while shortening the project timeline from 3 months to 1 month, which exceeded the client's expectation
- Designed a draft of a system architecture from data sources to cloud BI tool to facilitate discussions between business users and technical team of an MNC as a lead moderator

### Consultant, Digital Transformation

Nov 2017 – Dec 2018

NCS (Singtel's IT service arm), Consulting, Singapore

- Delivered a digital strategy project for a multi-year digital transformation project of a client in the theme-park industry by collaborating with NCS internal practice units such as mobile development and infrastructure team
- Identified gaps between current and ideal state of business processes for all the departments of the client in the theme-park industry through interviews and surveys, which was well received by the client
- Facilitated design thinking workshops as a part of top management's initiatives to improve employee satisfaction level, which supported ideation of digital solutions and promoted design thinking methodology across NCS

### Application Front End Development Intern, Business Innovation

Mar 2017 – Jul 2017

Deloitte & Touche, Risk Advisory, Singapore

- Developed and released a chat-bot that answers staff FAQs on corporate events to free HR from low-value and repetitive works (technologies: React.js, Node.js, MongoDB)

## AI PROJECT EXPERIENCE

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### Deep Knowledge Tracing Competition, Boostcamp AI Tech, Naver Connect

May 2021 – Jun 2021

- Developed a model to predict the correctness of an answer for the last question by tracing knowledge status of a student using PyTorch with a team of 6 as a project manager
- Ranked 2<sup>nd</sup> place out of 15 teams in private competition

### Open-Domain Question Answering Competition, Boostcamp AI Tech, Naver Connect

Apr 2021 – May 2021

- Developed a model that can answer users' queries (open-domain question) using PyTorch and Scikit Learn with a team of 5
- Achieved 90% of accuracy when retrieving 3 documents with a query by hybrid retrieval model (sparse embedding retrieval using ATIRE BM25 and Bert-based Dense Passage Retriever)

## INVITED TALKS

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- "Digitalization at ASEAN", 2018 ASEAN-Korea Youth Network Workshop, ASEAN-Korea Center, Manila, Philippines [\[Link\]](#)

## ADDITIONAL INFORMATION

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- **Proficiency in language:** English (fluent), Korean (native), Chinese (beginner)
- **Hands-on experience:** Javascript, Java, C#, R, Python, MySQL, Microsoft SQL, MongoDB
- **Certificates:** Qlik Sense Business Analyst (Qlik), Robotic Process Automation(RPA) Advanced Developer (UiPath)