Sooyoun Lee (T1152)

TEL : 010-2632-0616
EMAIL : lee.sooyoun616@gmail.com

https://github.com/sooyounlee

EDUCATION

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

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

Deep Knowledge Tracing Competition, Boost 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 2nd 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, dense embedding retrieval using BERT)

Relation Extraction Competition, Boostcamp AI Tech, Naver Connect   Apr 2021
- Extracted relationship between two entities in a sentence with accuracy 80.50% by fine-tuning and applying XML ROBERTa

ADDITIONAL INFORMATION

- **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)