

# Taejun Moon

Rue du Chatelet 11, Biel/Bienne Switzerland

☎ +41 77 488 9448 | ✉ [tjmoon0104@outlook.com](mailto:tjmoon0104@outlook.com) | 📅 January 4th, 1994 | 🛂 Permit-B, Familienangehöriger  
🇰🇷 South Korea | 🏠 [tjmoon0104.github.io](https://github.io/tjmoon0104) | 🐙 [github.com/tjmoon0104](https://github.com/tjmoon0104) | 💼 [linkedin.com/in/tjmoon0104](https://linkedin.com/in/tjmoon0104)



## Personal Profile

Data Engineer/Scientist from South Korea living in Switzerland since 2020 (**Permit-B, Familienangehöriger**).  
Software engineering experience of 4+ years in Python, Data Pipeline, Data Visualization Dashboard, and Cloud Infrastructure.  
Worked and studied in multi cultural environment (Korea, Japan, USA and Switzerland).  
Currently working as a Data Scientist along studying Master's in Data Science.

## Work Experience

### Roche

Data Scientist (Internship, 100%)

Basel, Switzerland

10.2022 - Current

- Development of privacy and anonymization framework for health informatics data
- Python K-anonymity implementation

### Bern University of Applied Science (Berner Fachhochschule)

Research Associate (60%)

Biel/Bienne, Switzerland

04.2021 - 07.2022

- Data pipeline with Apache Airflow for privacy preserved federated machine learning
- Python API Library for patient record retrieval from EMR system
- Documentation for Innosuisse project milestone reporting

### Collab Asia

Data Engineer/Analyst (100%)

Seoul, South Korea

12.2019 - 09.2020

- Data ETL pipeline from YouTube API (AWS Glue, Athena, Batch, Lambda, S3) 10+GB per day
- Data visualization dashboard using Plotly, Django & QuickSight to support sales manager
- Terraform & GitLab CI/CD to build and manage cloud infrastructure on AWS

### Tesla

Business Development Analyst (Internship, 100%)

Seoul, South Korea

04.2019 - 11.2019

- Data analysis on charging infrastructure data to estimate yearly electricity price
- Preprocessing 30,000+ unstructured addresses data using Google Map API to visualize on Tableau
- Electricity expenses automation pipeline with web scrapping using Python & Selenium

### Hana Institute of Technology

Research Assistant (Internship, 100%)

Seoul, South Korea

10.2018 - 02.2019

- Converting time series data into image and predicting using CNN
- 100+GB csv data multi core processing on AWS EC2

## Education

---

### Lucerne University of Applied Sciences (Hochschule Luzern)

MSc in Applied Information and Data Science

Lucerne, Switzerland

09.2021 - Current

- IBM Watson Chatbot Challenge: Chatbot for pension recommendation on IBM Cloud
- MindFire: Extract user and skill profiles from Github and classify skill proficiency (MongoDB, GraphQL, KNN clustering)
- Master Thesis (Roche): K-anonymization on health data

#### • Courses:

Data Warehouse and Data Lake Systems  
Applied Machine Learning and Predictive Modeling  
Database Management for Data Scientists

Modern Data Engineering  
Data Collection, Integration and Preprocessing  
Designing and Managing Data Science Projects

### Sophia University

BSc in Engineering and Applied Science

Tokyo, Japan

09.2012 - 09.2018

- Studies on engineering and applied science (Mechanical Engineering, Electrical Engineering, Informatics)
- Bachelor's Thesis/Project: Obstacle detection and recognition using deep learning in Artificial Intelligence Lab [↗](#)
- Presented at the International conference on Image, Video Processing and Artificial Intelligence (IVPAI 2018)
- 2 years of leave of absence due to military duty in South Korea (2014-2016)

## Skills

---

**Data Engineer/Science** Pandas, PySpark, Airflow, SQL, ETL, AWS, Pytorch, Tableau

**Programming** Python, Javascript, CI/CD, Git, Linux, Docker, Jira

## Activities

---

- |      |   |                      |
|------|---|----------------------|
| 2022 | <b>Energy Data Hackdays</b> , Energy (Heat Demand) modelling in Sankt Gallen with AI methods            | Brugg, Switzerland   |
| 2022 | <b>IBM Watson Chatbot Challenge</b> , Pension fund recommender chatbot                                  | Online, Switzerland  |
| 2021 | <b>Sports Hackdays</b> , XC Battery Model   | Lucerne, Switzerland |
| 2021 | <b>MindFire</b> , Autonomously extracting user and skill profiles                                       | Switzerland          |
| 2018 | <b>Spotify Sequential Skip Prediction Challenge</b> , Predict if users will skip or listen to the music | Online               |
| 2018 | <b>NIPS 2018 : Adversarial Vision Challenge</b> , Untargeted Attack Track                               | Online               |
| 2018 | <b>IVPAI 2018</b> , Obstacle detection and recognition using SSD  | Shanghai, China      |

## Languages

---

**English** Professional proficiency  
**Korean** Native proficiency  
**Japanese** Professional proficiency  
**French** Conversational proficiency