Keishiro Kawabata

■ PERSONAL DATA

Date of birth (DD/MM/YY) : 30/12/1993
Nationality : Japan
Home address : Ueberlandstrasse 17, 8953, Dietikon, Switzerland
Parent's address : 191, Kamichishiki-cho, Izumi city, Kagoshima, 8990212, Japan
Email : kawabata.keishiro@gmail.com

■ EDUCATION

Swiss Federal Institute of Technology in Zurich, Materials, Exchange   Feb. 2017 - Present

As a part of the university exchange program, I am taking some courses involving materials and molecular modeling, using a wide variety of calculation methods such as DFT calculation, Monte Carlo Method and so on, with mathematically deep comprehension of underlying theories.

Kyoto University, Materials Science and Engineering, Master's course   Apr. 2016 - Present

Currently pursuing research in Isao Tanaka Research Group, specializing in Materials Design through Quantum Theory. In my research, I focus on efficient ways to discover novel compounds by using machine learning techniques with the purpose of discovering new materials, which would develop many technologically relevant fields.

University of Oxford, Pre-Master's Spring School   Mar. 2016 - Apr. 2016

Acquired basic multicultural knowledge and linguistic ability with which I can function in different societies in this age of globalization.

Kyoto University, Bachelor of Engineering   Apr. 2012 - Mar. 2016

As a member of a research group that consists of a calculation team and an experiment team, I engaged in synthesis of an unknown inorganic compound.

■ EXPERIENCE

Boston Consulting Group   Dec. 2016

Worked in a team with four other members to propose a new solution to a specific company in order that the company can survive the changes of population distribution caused by the declining birthrate and aging society. The main purpose was to clarify the influences on the company that would be made by the population changes and provide a strategy to overcome them.

■ SKILLS

- Native speaker of Japanese.
- Competence in English at an advanced level.
- Ability to communicate in German at a conversational level.
- Mastery of Microsoft Office programs (Word, Excel, PowerPoint).
- Possess the skill to operate experimental equipment, e.g. XRD, DTA and SEM-EDX.
- Capable of analyzing and data mining from big data with Python.
- Experience in implementing machine learning with some software libraries including scikit-learn and TensorFlow.
- Able to master new skills quickly.
- Self-driven, determined and goal oriented.