

Koichiro Suzuki

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DATA SCIENTIST

PROFESSIONAL SUMMARY

Self-motivated data scientist who has a passion for technological innovation with a master's degree in the field of mathematics, physics, statistics, computer science, machine learning and deep learning for providing data driven insights to diverse business stakeholders. Proficient in big data handling, computing (Python), effectively approaching complex problems, developing and scaling AI models and distributed algorithms to optimize business performance. I specialize in the application of statistical analysis, exploratory data analysis, data handling & interpreting, and data science to provide descriptive, predictive, prescriptive and quantitative analytical problem solving. Experienced many NLP projects.

SKILLS

- Mathematics
- Statistics
- Physics
- R, SQL, MATLAB, Python
- Power BI, Tableau
- Machine-Learning
- Deep-Learning (TensorFlow, Pytorch)
- Data Mining
- Data Collection and Handling
- Data Visualization
- Data Interpretation
- Modeling (classification models, regression models, decision tree, etc.)
- MS Office (PowerPoint, Excel)
- Project Management Methods
- Communication skills
- Presentation skills

WORK HISTORY

MACHINE LEARNING ENGINEER | 04/2023 **Dyne Technology Inc. -Toronto, Canada**

- Pre-processing of big data held by the company.
- Proposal of new machine learning models.
- Devising a sentence similarity model using NLP.
- Deployment of the proposed machine learning model.
- Search for new value from big data using Python and Tableau.

TUTOR (PHYSICS, MATHEMATICS) | 04/2020 to 03/2022 **Masato Tamai, Ritsumeikan University - Kyoto, Japan**

- Peer tutoring students with 40 low grades students.
- Worked with professors to grade assignments, tests, and other submissions and suggested improvements in class content.
- Responded to questions from students and supported their learning.
- Demonstrating experiments and analytical method of assignments.
- In charge of preparing documents to be used in class, inspecting laboratory equipment, and conducting demonstrations in advance of the class.

INTERNSHIP (PROMOTION ANALYST) | 10/2018 to 03/2021 **EF Education First Inc. - Kyoto, Japan**

- In charge of organizing events for two hundred people to promote the company.
- Supported international students about their study abroad based on my experience studying abroad.
- Analyzed recent trends in Japanese students and study abroad destinations, and was responsible for much of the decision making in promotional events.
- Analyzed the company's market and in charge of many promoting events with 90% of satisfaction for customers.

~Interview article~

<https://www.bestweb2019.com/2019/11/16/ef%E4%BA%AC%E9%83%BD%E3%82%A2%E3%83%B3%E3%83%90%E3%82%B5%E3%83%80%E3%83%BC/> (Japanese)

EDUCATION

Toronto School of Management | Data Analytics – Diploma 04/2023 | Grade: A+

Ritsumeikan University | Mathematics – Master of Science 03/2022 | GPA: 4.2

Ritsumeikan University | Physics – Bachelor of Science 03/2020 | GPA: 3.6

VOLUNTEERING

Engineering. Ritsumeikan University. 04/2019 – 05/2019

- Assisted in shipping ICDP/DSeis drilling core from South Africa to Japan and installed Seismometers in underground mines in South Africa.

Engineering. Ritsumeikan University. 08/2019 – 09/2019

- Assistance of CCBO stress measurement, which is monitoring stress in any direction in the ground, of at Moab Khotsong gold mine, South Africa.

Researcher. Ritsumeikan University. 11/2021 – 12/2021

- Assisted analysis of DSeis rock samples at Kochi Core Center, Japan.

PUBLICATIONS

[1] Koichiro Suzuki, Hiroshi Ogasawara, Musa Manzi, Taku Noda, Ryogo Tadokoro, Raymond J. Durrheim, Lindsay Linzer. (2020)

‘Reinterpretation of a legacy 3D seismic reflection data to elucidate an unusual sinistral M5.5 earthquake fault below a structurally complex deep gold mine’, AGU Fall Meeting 2020

<https://agu.confex.com/agu/fm20/meetingapp.cgi/Paper/671530>

[2] Koichiro Suzuki, Musa Manzi, Hiroshi Ogasawara, Taku Noda, Lindsay Linzer, Raymond J. Durrheim, Bennie Liebenberg. (2020)

‘Reinterpretation of a legacy 3D seismic reflection data to elucidate unusual sinistral M5.5 earthquake fault below a deep gold mine in a mafic sill and dike complex’, JpGU Fall Meeting 2020

<https://confit.atlas.jp/guide/event/zisin2020/subject/S08P-03/date?cryptoid=> (Japanese text)

AWARD/GRANTS

June. 2021

SEISEKI-YUSHUSHA Scholarship (For 2nd year students)(Academic Excellence Scholarship for 2nd Year Students)

May. 2022

Exemption from repayment for particularly outstanding performance – Ritsumeikan University

LANGUAGE

- English Professional working proficiency
- Japanese Native

MY WEBSITE

My Portfolio Website: <https://koichirosuzuki-portfolio.netlify.app/>

My Github Account: <https://github.com/rp0067ve>