Koichiro Suzuki

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DATA SCIENTIST

PROFESSIONAL SUMMARY

5 years experienced 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 and machine learning model 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, developing machine learning models, data handling & interpreting, and data science to provide descriptive, predictive, prescriptive and quantitative analytical problem solving. Experienced many NLP projects as well.

WORK HISTORY

DATA SCIENTIST| 04/2023 to 08/2023, Full-time
Dyne Technology Inc. -Toronto, Canada

- Conducted data preprocessing and cleaning for the data owned by the company to build a machine learning model.
- Developed a menu similarity measurement model to identify competitor menus for our customer offerings using NLP.
- Deployment of the proposed machine learning model (Cloud: AWS, FW: Flask)
- Data visualizations to search for new value from big data using Python and Tableau.

TUTOR (APPLIED MATH AND PHYSICS) | 04/2020 to 03/2022, Contract
Masato Tamai, Ritsumeikan University - Kyoto, Japan

- Using my knowledge of mathematics and physics to teach Seismology class to bachelor students until they understand.
- Worked with professors to grade assignments, tests, and other submissions and suggested improvements in class content.
- Demonstrating coding, 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.

DATA SCIENTIST | 10/2018 to 03/2021, Internship
EF Education First Inc. - Kyoto, Japan

- Utilized NLP's WordCloud technique to visualize insights from past customer data held by the company, aiming to understand what aspects were driving customers' interest in studying abroad and why they were drawn to specific countries and cities to propose recommendations for event content tailored to these insights.
- Visualized and forecasted the trends in popular study abroad destinations based on factors such as universities, gender, and purposes.
- Proposed the best PR strategy based on the data and succeeded in attracting about 200 people to the company's PR event.
- Acted as a subject matter expert for Forecasting processes and provide expertise and direction in promotion projects.

STAFFING CLERK | 09/2016 to 01/2020, Part-time
being Inc. - Kyoto, Japan

- Processed schedule change requests, accurate data entry into relevant databases, update staff schedule information in accordance with Staffing Office contingency plan.
- Filling and servicing client orders efficiently through the screening, interviewing, assessing and placing of temporary associates and permanent candidates. Building and maintaining a diverse candidate pipeline that addresses and analyze client needs and is sufficient to meet current and future client demand.
- Provided maintenance of staffing statistics, filing/clerical duties as required.
- Provided staffing related information to sales department by compiling statistics from a computerized staff scheduling system, forwarding to the Staffing Supervisor for review and submitting to the department.

SKILLS

- Mathematics
- Statistics
- Physics
- R, MATLAB, Python
- SQL (My SQL, PostgreSQL)
- BI tools (Power BI, Tableau)
- Machine-Learning
- Deep-Learning (TensorFlow, Pytorch, Keras, OpenCV)
- NLP
- Data Preprocessing/Mining
- Data Visualization/Interpretation
- Modeling (classification models, regression models, decision tree, etc.)
- MS Office (PowerPoint, Excel)
- Cloud Service (AWS)
- Problems solving
- Communication and collaboration skills
- Presentation Skills

EDUCATION

Toronto School of Management | Data Analytics – Diploma 08/2023, GPA: 4.7

Ritsumeikan University | Mathematics and Physics – Master of Science 03/2022, GPA: 4.5

Ritsumeikan University | Physics – Bachelor of Science 03/2020, GPA: 4.0

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 and data acquisition of DSeis rock samples at the Kochi Core Center.

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
LinkedIn: https://www.linkedin.com/in/cory-suzuki-koichiro-suzuki-72160424b/

*If I receive a job offer, I am also willing to relocate. Moreover, I am also open to starting as an intern.