

Daiki MATSUOKA

December 11, 2021

Contact

Tel +81(80)15258293

daikoshg@gmail.com

Skills

—— Front-end ——

HTML/CSS ■■■■□

JavaScript ■■■□□

React ■■□□□

—— Back-end ——

Python ■■■■□

Django ■■■□□

Ruby ■■■□□

Ruby on Rails ■■□□□

—— Others ——

Streamlit ■■■■□

R ■■■□□

Scikit-learn ■■■■□

PyTorch ■■□□□

C++ ■■■■□

Languages

French (C1 certified)

English (TOEIC 875)

Interests

Computing

Designing Website

Reading (Philosophy,

Sociology, etc.)

Travelling abroad

Playing instruments

profile

As a materials engineer, I worked for several oil & gas plant projects and consulted materials selection from metallurgy & corrosion points of view. In addition, as a member of Data Scientist Workshop, I developed and deployed a first machine-learning model at the company.

When I was a graduate student, I selected as a member of the Vulcanus in Europe program 2018. This program is financed by the European Commission and the Japanese Ministry of Economy, Trade & Industry attended by 20 Japanese students per year.

experience

2020-

Materials Engineer & Data Scientist

JGC Corporation, Yokohama, Japan

- Worked for several oil & gas plant projects as a materials engineer.
 - Keywords: materials selection, corrosion, metallurgy
- Developed and deployed a machine-learning model to predict power rating of tank mixer using Python, Scikit-learn.
- Developed an internal portal site to deploy developed models using Python, Django and RestfulAPI.

2018.8-2019.3

Modeling and Simulation Engineer Intern

Schlumberger Riboud Product Center, Clamart, France

- Developed a physical system model (Modelica) of an electrical flow control valve.
 - Keywords: brushless DC motor, SVPWM (Space Vector Pulse Width Modulation)

education

2017.4-2020.3

Master of Engineering, major in Mechanical Engineering

Machine Elements and Tribology Lab., Doshisha University, Kyoto, Japan

Advisors: Tomoko Hirayama, Hidetoshi Sakamoto, Takashi Matsuoka

2013.4-2017.3

Bachelor of Engineering, major in Mechanical Engineering

Machine Elements and Tribology Lab., Doshisha University, Kyoto, Japan

Advisors: Tomoko Hirayama, Takashi Matsuoka

certificates

2021.3

JDLA Deep Learning for GENERAL 2021 #1

JDLA (Japan Deep Learning Association)

2020.11

TOEIC L&R 875

IIBC (The Institute for International Business Communication)

2018.6

DALF (Diplôme Approfondi de Langue Française) C1

République française

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Skills

Python ■■■■□

Scikit-learn ■■■■□

Django ■■■■□

C++ ■■■■□

HTML5, CSS ■■■■□

MS Office ■■■■●

Languages

French (C1 certified)

English (TOEIC 875)

Interests

Computing

Designing Website

Reading (Philosophy,

Sociology, etc.)

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profile

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model to predict power rating of tank mixer using Python, Scikit-learn.Developed and deployed a machine-learning model to predict power rating of tank mixer using Python, Scikit-learn.

Curiosity about music, philosophy, data science,

experience

2020-

Materials Engineer & Data Scientist

JGC Corporation, Yokohama, Japan

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 - Keywords: materials selection, corrosion, metallurgy
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2018.8-2019.3

Modeling and Simulation Engineer Intern

Schlumberger Riboud Product Center, Clamart, France

- Developed a physical system model (Modelica) of an electrical flow control valve.

2017.8

Safety Engineer Intern

USJ Co., Ltd., Osaka, Japan

- Conducted risk assessment of large summer events.
- Planned for a new seasonal project and evaluated the risks.

2015.8-2015.9

Structural Engineer Intern

Caterpillar Japan Ltd., Akashi, Japan

- Designed a structural component of an excavator at Creo (3D CAD) using FEM analysis.
- Gave a presentation to employees including CEO in English.

education

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2018.6	DALF (Diplôme Approfondi de Langue Française) C1 <i>République française</i>
2012.2	Eiken Grade 2 <i>Eiken Foundation of Japan</i>
2011.8	Diplôme d'Aptitude Pratique au Français Grade 2 <i>APEF (Association pour la Promotion de l'Enseignement du Français au Japon)</i>