

Koyo Nakayama

Digital Engineer

An engineer with more than four years of experience in digital technology development for production engineering.

✉ taiyou.003.084@gmail.com

☎ +818018019222

📍 Utsunomiya, Japan

🌐 github.com/koyonkym

WORK EXPERIENCE

Senior Technician

Honda Motor Co., Ltd.

04/2019 - Present

Haga, Japan

Achievements/Tasks

- Persuaded users in one of our global branches to agree to move forward to introducing new developmental technology.
- Manage project schedule, negotiate with users, report to supervisors etc... as a subproject leader in a project for preparation of technology application.
- Completed test projects for two technologies as a leader.

PERSONAL PROJECTS

Preparation for Technological Application (A Robot Simulation Technology) (03/2022 - Present)

- Being in charge of one of component technologies as a sub project leader.

Business Improvement Project (Simplification for Data Conversion) (10/2022 - 04/2022)

- Headed the project.
- Made web application using streamlit in Python to make data conversion easier.
- Received an award from the committee.

Technological Test and Development (A Robot Simulation Technology) (09/2019 - 03/2022)

- Headed two sub projects.
- Worked with vendors abroad.
- Established web application server.

Business Improvement Project (Automation for Remote Work Routine) (10/2021 - 04/2021)

- Made bat file using Selenium in Python to automate remote work routine.

Business Improvement Project (Automation and Simplification for Car Maintenance works) (07/2019 - 08/2019)

- Made windows GUI application in C# to automate and simplify one of car maintenance works.
- Suggested the application to CEO of a car dealership and got good appraisal.

EDUCATION

MEng in Electrical and Electronics Engineering

Tokyo University of Agriculture and Technology

04/2017 - 03/2019

Koganei, Japan

Thesis

- Liver Segmentation From Pediatric Computed Tomography

BSc in Electrical and Electronics Engineering (GPA: 3.2/4.0)

Utsunomiya University

04/2013 - 03/2017

Utsunomiya, Japan

Thesis

- Three Dimensional Positional Measurement Using Incoherent Digital Holography

SKILLS

3D Measurement

Point Cloud Processing

Robot Simulation

Python

C++

Statistical Analysis

Bilingual

Microsoft Power Point

Microsoft Excel

AWS

Windows

Mac

Linux

ACHIEVEMENTS

Received an award from a general manager in terms of having made a workflow for new car models efficient utilizing digital technologies.

Received during working in Honda Motor Co., Ltd.

Liver segmentation from low-radiation-dose pediatric computed tomography using patient-specific, statistical modeling, International Journal of Computer Assisted Radiology and Surgery 14, 2057-2068 (2019)

Accepted during studying in Tokyo University of Agriculture and Technology (<https://doi.org/10.1007/s11548-019-01929-x>)

CERTIFICATES

The Official Business Skills Test in Bookkeeping, 3rd grade (08/2022 - Present)

Issued by The Japan Chamber of Commerce and Industry

JDLA Deep Learning for GENERAL 2020#3 (11/2020 - Present)

Issued by Japan Deep Learning Association (JDLA)

TOEIC Listening & Reading Test Score 880/990 (01/2021 - 01/2023)

Issued by ETS: Educational Testing Service

Fundamental Information Technology Engineer (09/2019 - Present)

Issued by IPA: Information-technology Promotion Agency, Japan

LANGUAGES

Japanese

Native or Bilingual Proficiency

English

Full Professional Proficiency

INTERESTS

Artificial Intelligence

Data Science

Point Cloud