Toshihiro Yamaguchi 1987/06/10

Resume

Job Summary

For the past five years, I have worked mainly as a data scientist, considering and implementing appropriate on-the-spot approaches to various issues.

Currently, I am working for a consulting firm, where I am learning consulting skills such as problem organization and documentation. I am learning how to improve business by linking data science with KPI.

I have worked in a variety of fields and have found that the common problems are

- It takes a lot of time and effort to link data science knowledge to system development.
- The lack of reviews and other reviews makes the analytical tasks mundane to the data scientist, making it difficult to make improvements to the analysis. I myself have experienced difficulties in this regard.

I myself have experienced difficulties in this regard, so I would like to contribute by making use of my experience and skills. I am learning about data analysis and MLOps on a daily basis, and I would like to work together with anyone who has similar ideas.

Skills

- Machine Learning (DL/NLP/Image Recognition), Statistics, Causal Inference
- Design and construction of machine learning systems
- Continuous improvement of machine learning systems
- Experience in developing web applications including infrastructure, server side, and front end

Development environment/language/library

- GCP AWS Databricks
- Python R
- Pyspark Pandas scikit-learn TensorFlow PyTorch MLFlow

Certifications

- Network Specialist
- Certified Information Security Professional
- Google Cloud Professional Data Engineer
- Google Cloud Professional Machine Learning Engineer

Events

- Participated in MLOps study group (https://mlops.connpass.com/event/218772/)
- AWS Dev Day (https://www.databricks.com/p/webinar/aws-dev-days-jp)

Work Experience

EY Strategy and Consulting (2022/09/01 -)

- M&A Data Analysis

    - Period: 01/01/2023 - Summary: Mergers and Acquisitions
    - Summary: Created a recommendation system to assist M&A departments in their search for companies to invest in.
    - Responsibility: Front-end development Algorithm development
    - Environment/Methodology: Python VBA FastAPI
    - Number of projects: 5

- Calculate the economic impact of used car dealerships on the destination countries of the used car dealers.

    - Period: 12/01/2022 - 01/31/2022
    - Summary: Calculate the economic impact of used car dealerships on the destination country using trade data and census data.
    - Contact: Data Engineer Data Scientist
    - Environment/Methodology: Problem organization, preparation of presentation materials, statistical causal inference
    - Number of projects: 7

- Financial Modeling

    - Period: 12/01/2022 - 01/31/2023
    - Summary: Create a financial model to calculate EV
    - Responsibilities: Back-end development, front-end development
    - Environment/Methodology: Excel VBA
    - Number of projects: 7

(Contract term: 3 years, 08/01/2019 - 07/31/2022)

- Design and construction of data analysis infrastructure

  - Period: 2019/10/01 - 2022/07/31
  - Summary: Design and build data analysis infrastructure to be used for personalization of Nikkei apps in cooperation with Databricks.
  - Responsibilities: Design and build data infrastructure
  - Environment/Methodology: Databricks AWS GCP
  - Number of projects: 7

- Recommendation Algorithm Development

  - Period: 2020/02/01 - 2022/07/31
  - Summary: Algorithm development for personalization of Nikkei app
  - Responsibility: Algorithm Development
  - Environment/methodology: Jupyter Notebook, TensorFlow, Pytorch, BERT, collaborative filtering
  - Number of Project Members:

- Machine Learning System Operation

  - Period: 2020/06/01 - 2022/07/31
  - Summary: Automate machine learning operations for recommendation systems and verify effectiveness through A/B testing.
  - Responsibilities: Architecture design, cloud development, back-end development
  - Environment/methodology: AWS, Databricks, GCP A/B testing, CI/CD
  - Number of projects: 7

aiforce solutions inc (2019/02/01 - 2019/07/31)

- Analysis of Supermarket Buying Trends

  - Duration: 2019/04/01 - 2019/07/31
  - Summary: Resident in the DX division of a major trading company, receiving consultation from each business unit and subsidiary on AI utilization.
  - Responsibilities: Data Scientist
  - Environment/methodology: R, association analysis
  - Number of projects: 3

- Develop AI learning platform

  - Period: 2019/02/01 - 2019/07/31
  - Summary: Develop a platform for AI education

- Responsible for: backend development, frontend development
- Environment/methodology: AWS, Bottle, Python, React
- Number of projects: 5

Grid Corporation (04/01/2017 - 01/31/2019)

- Research paper and study of DL library image module

    - Duration: 01/01/2018 - 31/01/2019
    - Summary: Responsible for the image module of the DL library produced by the company
    - Contact: Team Leader, Machine Learning Engineer
    - Environment/methodology: Python, SSG, VAE, VGG
    - Number of projects: 5

- FE/BE development for image recognition system development

    - Period: 01/01/2018 - 31/01/2019
    - Overview:
    - Responsibilities: Project Title: FE/BE Development Duration: 01/01/2018 - 01/31/2019
    - Environment & Methodology:
    - Project Number of people:

- Reinforcement Learning Infrastructure for Plant Control

    - Duration: 11/01/2018 - 01/31/2019
    - Summary: Responsible for the infrastructure of a plant control PJ using reinforcement learning
    - Responsibilities: Data Engineer, Data Infrastructure Design
    - Environment/methodology: Python, MQTT
    - Number of people: 3

- Fax image classification model

    - Period: 2017/04/01 - 2018/12/31
    - Summary: Create a classification model of Fax images and integrate it into a business system
    - Contact: Data Scientist
    - Environment/methodology: OpenCV, Python, VAE, VGG
    - Number of projects: 2

Cuon Corporation (01/01/2016 - 31/03/2017)

- Internal Portal Site Creation

  - Period: 2016/12/01 - 2017/03/31
  - Summary: Design, construction, and PM of service website
  - Responsibilities: Data Scientist
  - Environment/methodology: OpenCV, Python, VGG
  - Number of projects: 2

AP Communications Inc (2014/03/01 - 2015/12/31)

- Operation and Maintenance of Internal Infrastructure

  - Period: 2014/03/01 - 2015/12/31
  - Summary: Operation and maintenance of internal infrastructure
  - Responsibility: Operation and Maintenance
  - Environment/Methodology: Windows Server
  - Number of projects: 15

- Create operational design for internal infrastructure

  - Period: 06/01/2015 - 12/31/2015
  - Summary: Create operational design for internal infrastructure
  - Responsibility: Design
  - Environment/Methodology: ITIL
  - Number of Project: 15

Japan Communications Inc (2013/04/01 - 2014/04/30)

- Design and Construction of In-house Service Site

  - Period: 2013/04/01 2014/04/30
  - Summary: Created a LAMP configuration for the company's service site.
  - Responsibility: Design, Construction
  - Environment/Methodology: Apache,Linux,MySQL,PHP
  - Number of Project Members: 2

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