SUN YANG

Data Scientist

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Data scientist with nearly two years of successful experience in IIoT, software development, data engineering and machine learning.

Work History

2020-04 - Current

Data Scientist

Micron Memory Japan, Higashi-Hiroshima, Hiroshima

Industrial Internet of Things (IIoT)

- Saved tool owner daily check time by 3 hours per day by online real time monitoring system for equipment's temperature, instrumental panel value and healthy index. (Python, Javascript, Linux)

Web Application Development (Back-end)

- BE development for saving negative target index analysis time by 20 hours per week by auto dashboard application. (Python, SQL, linux)

Data Analysis

- Increased MA (manufacturing availability) gain by 0.40% by cost avoidance due to unexpected down of tool. Accomplished by using Gaussian distribution to predict preventive maintenance timeline. (Python, Machine learning, Data engineering)
- Provided progressive analysis of internal engagement survey to HR by using natural languages processing in order to improve working environment. (Python, NLP, Tableau)

Education

2012-09 - 2017-06

Bachelor of Science: Information and Computing Science

Dalian Jiaotong University, China

- Online shopping application for graduation program. (Java, HTML, SQL)

2018-04 - 2020-04

Master of Science: Information Engineering

Hiroshima University, Japan

- Focused on research in recommendation system. Accomplished by increasing prediction accuracy by 10% of user's potential rating for items (Online shopping, Restaurant and Tourist resort) by integrating with user's features extracted from reviews based on tensor-factorization theory. (Python, SQL, NLP)
- Joined "Seventh International Symposium on Computing and Networking" conference held at Nagasaki, Japan, November 26-29, 2019.