

Tai Nguyen

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Data scientist with 3+ years of experience using data processing and data mining algorithms to solve challenging business problems. Involved in the Python open-source community and passionate about deep reinforcement learning.

SKILLS

Python (Pandas/Scikit-Learn/Matplotlib/Seaborn) || MySQL || R || Data Manipulation || Data Mining || Leadership || Project Management || Collaboration || Problem Solving.

EXPERIENCE

METHODOLOGY LEAD

Nielsen-Digital Imaging, Chicago, IL/ August 2020 - Present

- Develop novel quality measurement methodology for the production process, resulting in a 10% increase in sample coverage compared to previous years.
- Support the discovery of new partners and vendors to lower investment costs and minimize margin.
- Support deep-dive analytics and data science execution for new and existing pilot projects.

DATA SCIENTIST

Nielsen-New Developments and Innovations, Chicago, IL/ August 2019 – August 2020

- Utilized statistical methodology to resolve specific client inquiries.
- Developed robotic process automation using UIPath to reduce the investigative time spent on an inquiry, reducing costs by \$60,000 annually.
- Enhanced sales data flagging system using SARIMA machine learning and improved run-time by 30%.

PREDICTIVE MODELER

Auto-Owners Insurance Company, Lansing, MI/ January 2018 – August 2019

- Applied machine learning techniques to develop a new competitor's territory metric, increasing the accuracy of competitors' relativities by 10%.
- Built random forest and gradient boost model using R to accurately represent the usage distribution of vehicles for policy underwriting.
- Revived and updated the company's Auto DataMart to optimize data storage efficiency.
- Built, evaluated, and documented predictive models using Emblem.

EDUCATION

M.S. INDUSTRIAL MATHEMATICS

Michigan State University,
Lansing, MI / May 2018

B.S. MATHEMATICS, B.S. ACTUARIAL SCIENCE

Michigan State University,
Lansing, MI / May 2017