

Travis Browning

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Summary

Self motivated technical lead with over five years of demonstrable achievements in machine learning, data analysis, and language modeling. Possessing a strong track record of designing and implementing comprehensive solutions to address client data needs. Exemplary communication and task management skills with proven success in leading end-to-end software solutions.

Skills

- Software engineering, natural language processing (NLP), statistical analysis, data engineering, business intelligence (BI)
- Machine learning, data mining, data visualization, predictive modeling
- Python, R, Bash scripting, SQL Server, C++
- PyTorch, TensorFlow, Jax, sklearn, HuggingFace, Keras
- Active listening, project management, critical thinking, storytelling, business acumen, team leadership

Selected Experience

JUN 2022- Present

International Business Machines (IBM), Buffalo, New York - Business Transformation Consultant

- Principal data scientist for IBM leading various government and commercial clients. Selected projects include:
 - Designing and documenting original data architecture for machine learning pipelines.
 - Creation and performance evaluation of automated document processing system in Google Cloud Platform for a financial client, resulting in 20,000 labor minutes saved monthly, improving F1 and coherence scores from baseline.
 - Research and development in insurance claims processing SQL server database overhaul, resulting in millions of dollars saved.
 - Collaborating with clients to create claims analysis BI dashboards in Azure environment.

SEP 2020 - NOV 2021

Research Group in Computational Linguistics, Wolverhampton, UK - *Linguistics Researcher*

- Completed original capstone master's thesis project exploring the intersection between NLP and computer vision.
- Engineered and evaluated machine translation pipelines for tasks including speech to text and domain-specific image captioning.

APR 2019 - DEC 2019

M&T Bank, Buffalo, New York - *Technical Support Analyst III*

- Temporary contact to oversee operations of a high-volume, 12+ member ServiceNow resolver group.
- Lead company-wide software and hardware migration.
- Collaborated with leadership to meet project objectives.
- Managed training and educating new team members and produced training materials.

DEC 2017 - MAR 2019

IBM, Buffalo, New York - *Enterprise Technical Support Analyst*

- First-line technical support analyst for Anthem Inc., a leading managed care organization.
- Collected, annotated, analyzed and visualized data for quality assurance projects.
- Managed training and educating new team members and produced training materials.

Education

SEP 2020 - NOV 2021

University of Wolverhampton, Wolverhampton, UK - *Master of Arts, Computational Linguistics, with merit (summa cum laude)*

- Computational modeling of natural language.
- Relevant coursework: machine translation; machine learning; Python; R; computer vision; corpus linguistics; computational research methods.

AUG 2011- MAY 2015

State University of New York at Buffalo, Buffalo, New York - *Bachelor of Arts, Applied Linguistics*

- Relevant coursework: syntax; semantics; phonology; sociolinguistics.