OLENA BOGDANOV

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EDUCATION

Cornell Tech   September 2022 - May 2024
Dual MS in Information Science and Systems   *New York, NYC*
$70,000 Merit Scholarship, '24 Class Representative, Alumni Relations Team Chair

University of the Fraser Valley   September 2019 - April 2022
BIS in Data Science, 4.17 GPA   *Vancouver, Canada*

EXPERIENCE

Cornell University, Department of Electrical and Computer Engineering   August 2023 - Present
Research Assistant   *New York*

· Working with Dr. Udit Gupta to analyze the energy emissions of Machine Learning models during the inference phase.
· Assessing generative and multimodal model impacts and hardware-specific influences on inference latency and sustainability.

JobScan   March 2022 - January 2023
Lead Data Scientist   *Seattle, WA*

· Built text extraction tool to parse resumes using Python and BERT, achieved 95-percent accuracy.
· Collaborated with Product Management and Marketing teams to provide ad-hoc analytics to drive financial performance, ultimately contributing to a 10-percent increase in monthly revenue.

PROJECTS

Extracting Action Items from Patient Discharge Notes: A Deep Learning Approach   May 2023

· Developed and fine-tuned deep learning models, including GatorTron and BioClinicalBERT, to extract actionable items from patient discharge notes using the CLIP dataset. Achieved state-of-the-art performance with GatorTron, leveraging PyTorch for data processing and model training, resulting in enhanced patient adherence potential.

End-to-End Pipeline for Damage Detection in Residential Interiors   December 2022 - May 2023
$150,000 Microsoft startup founders award winner. Cornell University Startup Award Finalist.
'24 Class Representative, Cornell Tech Alumni Relations Committee ChairDesigned and implemented containerized end-to-end ML pipeline using Kubernetes and Azure for core analytics product that provides a 30-percent improvement in home valuation accuracy by incorporating the value of interior finishes and fixtures.

RESEARCH

· **Urban Tech Hub, Cornell University**   September 2022 - December 2022
Research Coordinator   *New York, NY*

· Tracked research, development, and innovation funding for infrastructure support and development, for the purpose of streamlining infrastructure funding for cities and municipalities across the United States.

Esposito Center for Innovation, University of the Fraser Valley   May 2020 - May 2022
Research Assistant   *Vancouver, Canada*

· Studied digital transformation strategies for local governments to discover optimal implementation solutions for data-intensive operations.