# Munkhburen "Munduu" Munkhbileg

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## PROFILE

Data Scientist with strong math background and 3+ years of experience in developing ML models to solve challenging business problems

Proficient in collaborating with teams of professionals for developing applications and solutions for business growth

## EDUCATION

**University of Oklahoma** - Norman, OK
Master's degree in Information Technology                                               Expected December 2022
Bachelor's degree in Information System                                                 Expected December 2022
**UWC Atlantic College** - Llantwit major, Wales, UK                                    May 2018
International Baccalaureate Diploma

## CERTIFICATIONS

**Machine Learning Specialization**, **Algorithms**, Stanford University, Coursera            August 2022
**TensorFlow Developer, TensorFlow: Advanced Techniques, Deep Learning**, DeepLearning.AI     July 2022
**Machine Learning Engineer on Google Cloud**, Google Cloud                                   July 2022
**Machine Learning Scientist,** The DataCamp                                                  December 2021
**Machine Learning Engineer**, Educative

## SKILLS & TALENT

**Tools & Languages:** Python, C#, REST API, R, SQL, PowerBI, Tableau, Excel, Google Cloud Platform
**Packages:** Pandas, Sklearn, Keras, TensorFlow, PyTorch, Spark, NumPy, Matplotlib, XGBoost, Django, SwiftUI
**Statistics/Machine Learning:** Deep Neural Network, Graph Neural Network, CNN, NLP, Webservice, IOS
**Relevant Coursework**: Machine Learning, Advanced Machine Learning, Applied Machine Learning, Data Science and Analytics, Business Data Analysis.

## RELEVANT EXPERIENCE

**Data Science Research Assistant,** Price College of Business, Norman, OK                     Feb 2022 - Current
- Extracting valuable insights from multiple sources of data (including Twitter and Instagram) with the help of Deep Learning and Artificial Intelligence.
- Development of methods to optimize and automate business processes.
- Applications of methods – Recommender Systems for influencer-brand collaborations on Instagram; Understanding diffusion of information on Twitter using deep learning models; Using advanced Natural Language processing to understand brand activism on Twitter.

**Machine Learning Research Intern**, EMR Technical Solution, Edmond, OK                       Jan 2022 – Feb 2022
- Investigated automating PostgreSQL using non derivative optimizations
- Tested model that configured over 300 knobs using Bayesian optimization

**Data Scientist/ Machine Learning Engineer,** Interactive, Ulaanbaatar, Mongolia             June 2020 – August 2021
Biggest business analytics and solution company in Mongolia                                   www.interactive.mn
- Worked with other data scientists to develop analytics and other statistical analysis for partner companies
- Developed automated text reply for medical emergency application
- Tested machine learning models & improved results for more than 40 partnering companies
- Built car recognition system for partner gas station

**Deep Learning Project**
- Successfully implemented semantic labeling for satellite picture using Autoencoders with over 97% accuracy
- Implemented Attention mechanism to find biological family for sequence of amino acid
- Made custom inception deep network using TensorFlow functional API to classify real time image
- Built LSTM prediction model for Apple's stock with over 95% accuracy to enable informed investment

**Data Science Project**
- Designed ERD, implemented database system for tire company using Microsoft SQL Server
- Performed clusters to find unique group for each influencers using their Bio with word2vec and Sklearn

## OTHER EXPERIENCE

**Product Manager Intern**, TASO Construction - Ulaanbaatar, Mongolia                          May 2019 – September 2019
- Learned to work with others to conduct research as part of the planning process
- Researched new technology to improve product quality
- Conducted financial analysis on new upcoming products

**Integrated Business Core Program**, Price College of Business                                August 2019 – December 2019
*Sales Manager, Inventory Manager*
- Manufactured sweater that designed by our group with unique logo
- Sold over $5000 worth of sweater and served 800 hours for local community
- Best seller of the company