Michael Son

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Data science professional familiar with gathering, cleaning, and organizing data for use by technical and non-technical personnel. Advanced understanding of statistical, algebraic, and other analytical techniques. Highly organized, motivated, and diligent with profound background in biotechnology.

SKILLS

Programming: Python, SQL | Version Control: Git, GitHub
Data Cleaning/Analysis: NumPy, pandas | Data Visualization: Matplotlib, Seaborn, Plotly
Feature Engineering | Machine Learning: Scikit-Learn, Imbalanced-Learn, Keras
Language: English/Korean Bilingual, Chinese Mandarin CSK 4, German A2

EXPERIENCE

Engineering Intern 05/2017 – 08/2017
IMS & Nanotech | Seoul, South Korea

- Recommended/Implemented new white light scanning interferometry signal processing algorithm in 3D imaging device, seen significant improvement in overall performance.
- Identified/fixed technical translation errors in configuration/notification settings of imaging device, preventing mishaps in product shipping/customer satisfaction.

Student Research Assistant 05/2013 – 08/2013
Korea Institute of Science and Technology | Seoul, South Korea

- Verified extent of PAR 3/6 protein influence on axon regeneration via in vitro loss-of-function studies using RNAi knockdown.
- Planned/executed chronic stress model study entailing axon regeneration.

EDUCATION

Data Science Career Track 09/2020 – Current
Springboard, San Francisco

- Hands-on curriculum with 1:1 industry expert mentor oversight, and completion of 2 in-depth capstone projects.
- Mastering skills in Python, SQL, data analysis, data visualization, hypothesis testing, and machine learning.

Master of Science | Chemical and Bioengineering 09/2019
FAU Erlangen-Nürnberg, Erlangen
Master's Thesis: Protein Aggregation Studies of the Model System Beta-Lactoglobulin via Multiwavelength Analytical Ultracentrifugation

- Demonstrated the utility of solution non-ideality parameters in summarizing the protein aggregation in solution.
- Endorsed analytical ultracentrifugation as a profound, quantitative method for investigating protein aggregation in solution.

Honours Bachelor of Science | Neuroscience/Cell Molecular Biology Double Major 06/2014
University of Toronto - St. George, Toronto

- Honours Bachelor of Science in Neuroscience and Cell Molecular Biology focusing on human physiology, cell biology, and associated pathologies.