Kyle Choi

Data enthusiast with an academic background in data analysis and sensor technology and ~1 year of research experience looking to develop products that directly impact people's well being.

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EXPERIENCE

Research Assistant, Ithaca, NY
Cornell University

September 2018 - Present

- Processed over 60 hours of time series signal data across 20 participants to classify upper body exercises performed in controlled environments.
- Achieved 94% accuracy in recognizing and distinguishing between 3 different exercises done by healthy patients.
- Currently utilizing unsupervised learning models to classify exercises in real-time, free-living environments.

Helpdesk Consultant, Ithaca, NY
Cornell Institute for Social and Economic Research

September 2017 - May 2018

- Assisted Cornell students and faculty in the interpretation of syntax and coding errors in statistical software such as R.
- Independently researched and logged solutions to users' queries regarding CISER servers.
- Taught and attended several introductory workshops where Cornell members learned research methods and how to use statistical software.

Data Analyst Intern, Ithaca, NY
Cornell Statistical Consulting Unit

June 2017 - August 2017

- Cleaned and analyzed almost 300,000 points of survey data across hundreds of participants and questions
- Developed statistical models using PCA and factor analysis to investigate predictors that had significant effects on agricultural and sustainability practices for farmers in Malawi.
- Drafted an instructional handout describing statistical methodologies such as generalized linear models and logistic regression

EDUCATION

Cornell University, Ithaca, NY

August 2014 - May 2018

Bachelor of Arts in Mathematics
GPA: 3.195

VOLUNTEERING

Love and Hope Center, Port-au-Prince, Haiti (December 2015)
Special Olympics: Camp Shriver, Miami, FL (Summer 2010-2013)

SKILLS

Languages
- Python *(Numpy, Pandas, Scikit-learn, Matplotlib)*
- Matlab
- R *(RStudio, Markdown)*

Technical Skills
- Machine Learning
- Signal Processing
- Data Analysis

Currently Learning
- SQL
- Keras

INTERESTS

Basketball, Cooking, Gaming, Ultimate

LANGUAGES

Korean