RESEARCH EXPERIENCE

Compu-House   Cincinnati, OH
                                                                January 2013 – Present

Chief Data Scientist/Researcher
- Studying ensemble classification to predict the occurrence of medical issues with Python and R utilizing Random Forest, Ada Boost, and XtraTrees Classifier.
- Directing and managing a team of Data Scientists and researchers to create prediction models using Python and R:
  - Worked on stock market prediction models using Neural Networks.
  - Used ARIMA models to do Stock Market Forecasting Time-Series Analysis.
  - Created Bayesian Networks Property and Casualty Fraud detection models.

Data Science/Machine Learning Researcher
- Researched and improved the prediction accuracy of Septic Shock by 12% using Python and R (combined Cox Regression model with Random Forest).
- Improved the lead time to predict Septic Shock from 4 hours to 20 hours.