Kewen Peng

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Educational Background

2015-2019 **Wake Forest University**
B.S. Computer Science
Major GPA: 3.95/4.00

B.A. Mathematics
Major GPA: 3.60/4.00

2019 – current **North Carolina State University**
Ph.D. Computer Science

Activities and Honors

- Member of Upsilon Pi Epsilon Society (2018-2019)
- Dean's list (2016-2019)
- Honorable Mention in COMAP MCM Contest 2018
- Wake Forest Research Fellowship (2018 summer)
- Honorable Mention in ICPC 2018 Mid-Atlantic Regional

Project Experience

Computer science undergraduate honor thesis
Student researcher
August 2018 to May 2019: Comparison of predictive ability of ANN and traditional machine learning on lung cancer clinical data from TCGA database. Current progress includes the increasing performance of the model using the combination of different classifiers in the imputation of missing data.

Wake Forest Research Fellowship
Student researcher
May 2018 to 2019: Counterexample to Noether Bound over noncommutative algebra. Current progress: In at least two cases studied, a different upper bound was proved.

COMAP MCM Contest 2018
Honorable Mention
January 2018: Markov-chain-based statistical modeling to predict the population growth of different languages based on cultural, economic, and demographical factors.

CS center database development
Team member
August 2018 to Current: Re-design the web page and reframe the database for the CS Center of computer science department.

Core Coursework

- CSC Data structure
- CSC Database management system
- CSC Machine learning
- CSC Automated Software engineering
- CSC Computer vision (in progress)
- MST Linear Algebra
- MST Real analysis
- MST Abstract Algebra
- MST Combinatory analysis
- MST Probability

Publication

- Ferraro, L., Kirkman, E., Moore, W. F., & Peng, K. (2019). On the Noether Bound for Noncommutative Rings. arXiv preprint arXiv:1907.06761