

Ngoc Minh Quang Nguyen - Curriculum Vitae

Contact Information

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Education

- **Loyola University Chicago**, Chicago, Illinois
Master of Science, Applied Statistics Expected December 2021
 - Current GPA: 4.00/4.00
 - Graduate Merit Award
- **Wittenberg University**, Springfield, Ohio
Bachelor of Science, Mathematics and Data Science Graduated May 2020
 - Summa Cum Laude; GPA: 3.97/4.00
 - Departmental Honors in Mathematics
 - Phi Beta Kappa and Pi Mu Epsilon

Research Interests

Sports Analytics; Data Visualization; R Packages; Mathematical Statistics.

Research Experience

- Loyola University Chicago, Department of Mathematics and Statistics, Chicago, Illinois
Graduate Research Assistant August 2020 - present
Aging Curve and Missing Data in Baseball. Advised by Dr. Gregory J. Matthews.
- Wittenberg University, Department of Mathematics and Computer Science, Springfield, Ohio
Senior Honors Thesis Research August 2019 - May 2020
Predictive Models of English Premier League Goal Scoring. Advised by Dr. Douglas M. Andrews.

Academic Experience

- Wittenberg University, Springfield, Ohio
Math Workshop Head Tutor August 2018 - May 2020
Subjects tutored: Mathematics, Statistics, and Data Science (all levels); Chemistry, Economics, and Computer Science (introductory level); GRE Quantitative.
- Wittenberg University, Springfield, Ohio
Faculty Aide (Teaching/Research Assistant) August 2018 - May 2020
Courses assisted: International Business; Business Research Methods; Global Social Entrepreneurship; Business Ethics and Leadership.

- Clarkston Senior High School, Clarkston, Michigan
S.U.M. (Student Understanding Math) Assistant
Course assisted: Algebra II.

January 2017 - May 2017

Computing Skills

- Proficient: R/RStudio, Minitab, MS Excel and other Office Apps
- Experience: SAS, Python, Java, SQL, MongoDB

Presentations & Posters

- Presentation (pre-recorded). *“Poisson Modeling and Predicting English Premier League Goal Scoring.”* Midwest Sports Analytics Meeting, November 2020.
- Presentation. *“Poisson Modeling and Predicting English Premier League Goal Scoring.”* International Research Symposium, International Education Week, Loyola University Chicago, November 2020.
- Presentation. *“Poisson Modeling and Predicting English Premier League Goal Scoring.”* Ohio State Sports Analytics Conference, November 2020.
- Poster. *“Poisson Modeling and Predicting English Premier League Goal Scoring.”* NextGen: Data Science Day, New England Statistical Society, November 2020. **Poster Competition Co-Winner, Undergrad/MS Group.**
- Poster. *“Poisson Modeling and Predicting English Premier League Goal Scoring.”* Carnegie Mellon Sports Analytics Conference, October 2020.
- Poster. *“Poisson Modeling and Predicting English Premier League Goal Scoring.”* UConn Sports Analytics Conference, October 2020.
- Presentation (pre-recorded). *“Something Fishy About Manchester United’s Distribution of Goals Scored.”* Department of Mathematics and Computer Science’s Colloquium Series, Wittenberg University, October 2020.

Awards & Honors

- Awards
 - Merit Award, MS in Applied Statistics Program, Loyola University Chicago, 2020-2021
 - The Charles and Elsie Little Mathematics Award, Department of Mathematics and Computer Science, Wittenberg University, March 2020
 - Mathematics 202 Award, Department of Mathematics and Computer Science, Wittenberg University, June 2019
 - Textbook Award, Department of Mathematics and Computer Science, Wittenberg University, June 2019
 - International Student Scholarship and International Student Grant Program, Wittenberg University, 2017-2020
- Honor Societies
 - Phi Beta Kappa, Omicron of Ohio Chapter, Wittenberg University, May 2020
 - Pi Mu Epsilon, Ohio Upsilon Chapter, Wittenberg University, March 2020
 - Phi Eta Sigma, Midwest Region Chapter, Wittenberg University, March 2018
- Academic Honors

- Summa Cum Laude, Wittenberg University, May 2020
- Departmental Honors in Mathematics, Department of Mathematics and Computer Science, Wittenberg University, April 2020
- Pick and Pen, Wittenberg University's junior honorary, March 2019
- Dean's List, Wittenberg University, Fall 2017 - Spring 2020
- Other Honors
 - The Charles E. Chatfield Global Awareness Award Nominee, Wittenberg University, Spring 2020
 - Homecoming Royalty Nominee, Wittenberg University, Fall 2019

Coursework

- Graduate Statistics - Current GPA: 4.00/4.00
 - Advanced Statistical Inference (Independent Study, Spring 2021)
 - Nonparametric Statistics (Spring 2021)
 - Categorical Data Analysis (Spring 2021)
 - Probability & Mathematical Statistics
 - Applied Regression Analysis
 - SAS Programming & Applied Statistics
- Undergraduate Statistics/Data Science - GPA: 4.00/4.00
 - Mathematical Statistics
 - Univariate Probability
 - Statistical Modeling
 - Introduction to Data Science with R
 - Computer Programming II with Java
 - Computer Programming I with Python
 - Databases
 - Data Analysis with Minitab
- Undergraduate Mathematics - GPA: 4.00/4.00
 - Graph Theory
 - Real Analysis
 - Abstract Algebra
 - Linear Algebra
 - Multivariable Calculus
 - Differential Equations
 - Foundations of Geometry
 - Discrete Mathematics & Proofs
 - Calculus I and II

University Involvements

- Leadership
 - International Orientation Assistant, Office of International Education, Wittenberg University, Fall 2018 & Fall 2019
 - Wittenberg Math Club, Secretary and Chair of Contest Recruitment, 2018-2020
 - Wittenberg Trivia Night, Student Host, Spring 2020
- Other Activities
 - East Asian Studies Club, Wittenberg University, Fall 2019
 - American International Association, Wittenberg University, Fall 2017

Community Service

- The Fuller Center for Housing, Service Immersion Trip, Wittenberg University, Spring 2019
Service site: Americus/Albany, Georgia

Languages

- Bilingual: Vietnamese (native language) and English (proficient)

Exchange Programs

- Educatius Group, US F-1 Academic Exchange Program, Clarkston, Michigan, 2016-2017
- Cultural Academic Student Exchange (CASE), Lead Hill, Arkansas, 2015-2016