Ngoc Minh Quang Nguyen

Curriculum Vitae

Contact Information

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- GitHub: github.com/qntkhvn

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 January 2017 - May 2017

  Course assisted: Algebra II.

Computing Skills

- Proficient: R/RStudio - tidyverse, R Markdown; MS Office
- Experience: SAS; Python; Java; SQL; MongoDB; Minitab

Presentations & Posters

- Presentation. *"Poisson Modeling and Predicting English Premier League Goal Scoring."* Graduate Research Symposium, Loyola University Chicago, March 2021.

- 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

  - Predictive Analytics (Fall 2021)

  - Statistical Simulation (Fall 2021)

- – Statistical Consulting (Fall 2021)
- – Statistical Design and Analysis of Experiments (Fall 2021)
- – Advanced Statistical Inference (Independent Study)
- – Nonparametric Statistics
- – Categorical Data Analysis
- – 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