# Ngoc Minh Quang Nguyen

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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 Experience

- Loyola University Chicago, Department of Mathematics and Statistics, Chicago, Illinois

  Graduate Research Assistant                    August 2020 - present

  *Estimating Aging Curves in Baseball using Multiple Imputation.* 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

- Advanced knowledge: R/RStudio - tidyverse (dplyr, ggplot2, tidyr), R Markdown
- Working knowledge: Python; Java; SQL; SAS; Git/GitHub; LaTeX

## 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 Computation and 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