

# ANHTHY (ANT) NGO

**Current:** New York, NY • **Permanent:** Falls Church, VA

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## EDUCATION

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### New York University

*M.S., Data Science*

New York, NY

Sep 2019 – Present

- **Relevant Coursework:** Intro to Data Science, Probability & Statistics, Computational Linear Algebra & Optimization, Machine Learning, Big Data, Natural Language Understanding

### George Mason University

*B.S., Information Systems*

Fairfax, VA

Aug 2013 – Dec 2017

- **Relevant Coursework:** Python Programming, Data Mining, Statistical Computing in R, Database Management Systems (SQL), Data Warehousing, Systems Analysis & Design, Calculus
- **Honors:** Dean's List (All Semesters), Beta Gamma Sigma, Magna Cum Laude

## WORK EXPERIENCE

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### New York University

*Computer Science Teaching Assistant*

Sep 2019 – Present

New York, NY

- Provides teaching assistance for three sections of *CSCI-UA.0002 - Introduction to Computer Programming in Python* that comprises of over 50 students per session; topics range from basic programming concepts such as expressions, control structures, loop constructs, data types, boolean logic, I/O
- Holds weekly drop-in tutoring hours that averages over 20 students per session

### Grant Thornton LLC

*Analytics Consultant*

Feb 2018 – Jun 2019

Alexandria, VA

- Designed, modified, and tested ETL packages and OLAP cubes for automating data wrangling tasks from diverse source systems and enabling flexible, self-service reporting capabilities for business stakeholders
- Provided weekly updates on Data Analytics team activities to leadership stakeholders
- Designed and maintained various analytical dashboards that provided key business insights on transactional and financial data for a large federal entity, helping speed compliance auditing by 40%

### George Mason University

*Computer Science Teaching Assistant*

Aug 2017 – Dec 2017

Fairfax, VA

- Assisted in George Mason's largest computer science course (*Introduction to Computer Programming*), helping students solve problem sets by identifying algorithmic patterns through Python

### comScore LLC

*Data Analyst Intern*

Summers 2016 & 2017

Reston, VA

- Utilized tools such as SQL and Bash scripting to analyze and extract big data from comScore's proprietary database that provides competitive consumer behavior insights such as:
  - domain visitation/internet traffic across platforms (e.g. unique/repeat visitors, visits, duration)
  - e-commerce transactions (e.g. iPhone sales)
- Developed Python scripts to scrape data from e-commerce websites to categorize products in database

## PROJECT WORK

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### Predicting NFL Plays (ongoing)

Dec 2019 - Present

*Link:* <https://github.com/anhthyngo/nfl-predict>

- Scraped NFL game information (weather, vegas line, etc.) from 2014-2019 to analyze how different game mechanics affect future plays calls

### Predicting NYC Airbnb Prices

Oct 2019 - Dec 2019

*Link:* <https://github.com/anhthyngo/airbnb-predict>

- Developed a model to predict cleared listing Airbnb listing prices in NYC based on scraped listing information
- Performed feature transformations on input variables and fine-tuned hyperparameters to improve model performance

## TECHNICAL SKILLS

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**Work Interests** Machine learning, data visualization, sports analytics, product analytics

**Languages** Python, SQL, Bash,  $\LaTeX$ , HTML, CSS

**Packages** pandas, numpy, sklearn, matplotlib, seaborn, beautifulsoup

**Tools** Tableau, Power BI, Advanced Excel, Github & Git, Microsoft SQL Server

**Hobbies** Football, basketball, acoustic guitar, film, hiking, sketching, cooking (and eating)