

ANHTHY (ANT) NGO

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

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EDUCATION

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

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

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

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, guitar, film, hiking, sketching