Anhthy (Ant) Ngo

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

(703)597-6991 • anhthy.ngo@nyu.edu • anhthyngo.github.io • linkedin.com/in/anhthyngo/

Education

New York University   New York, NY
M.S., Data Science   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   Fairfax, VA
B.S., Information Systems   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   Sep 2019 – Present
Computer Science Teaching Assistant   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   Feb 2018 – Jun 2019
Analytics Consultant   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   Aug 2017 – Dec 2017
Computer Science Teaching Assistant   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   Summers 2016 & 2017
Data Analyst Intern   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, acoustic guitar, film, hiking, sketching, cooking (and eating), travel