NICHOLAS WU

200 E 69th Street, Apt. 8G | New York, NY 10021
nicholas.wu@stern.nyu.edu | (908) 938-7048 | www.linkedin.com/in/nicholas-wu/

EDUCATION

New York University, Leonard N. Stern School of Business — **New York, NY**
Bachelor of Science in Finance, Minor in Data Science — *May 2024*

- New York University Varsity Men's Fencing Team

Stanford University Online High School — **Stanford, CA**
High School Diploma — *June 2020*

- Relevant Coursework: Differential Equations, Linear Algebra, Multivariable Differential & Integral Calculus

EXPERIENCE

Manhattan Fencing Center — **New York, NY**
Sabre Fencer — *May 2015 – Present*

- Competed under pressure at numerous national sabre fencing tournaments, training under 5x US Olympic Coach and US Fencing Hall of Famer Yury Gelman
- Attained a Silver Medal at the 2017 Division III National Championships
- Achieved a top-20 National Division II and a top-10 National Division III rank
- Instructed youth age 10-12 competitors at national championship tournaments and in intermediate level summer camps
- Mediated as a certified fencing referee at official US Fencing tournaments

University of Pennsylvania, Wharton School of Business — **Philadelphia, PA**
LEAD Summer Business Institute Scholar — *June 2018 – July 2018*

- Developed a targeted marketing strategy for Johnson & Johnson's McNeil company to transition Zyrtec into an over-the-counter medication, including studying target markets, devising pricing strategies, and designing innovative packaging
- Guided as a technology advisor for OmniTurn, a startup focused on improving return logistics efficiency for retailers, inventing a system to track and assess the quality of returned products
- Established a business plan with a team of 6 used to pitch OmniTurn to a panel of venture capitalists, overseeing the return logistics' structure and leading the analysis of potential competitors

PROJECTS

Neural Network Handwritten Digit Recognition (Python) — *June 2020 – July 2020*
Independent Project

- Built and trained a Convolutional Neural Network in **Python** using **Keras** for sequential model creation to recognize 28x28 pixel handwritten digits
- Successfully calculated an accuracy of around 98% using 28,000 test examples from the MNIST dataset
- Analyzed and optimized datasets using **Pandas** and **sklearn**
- Explored applications of Linear Algebra and Multivariable Calculus topics using **Numpy** within the subject of Machine Learning

Think Positive (Swift) — *Feb 2018 – Sept 2018*
Independent Project

- Engineered an iOS app titled "Think+" (Think Positive), an application aimed to treat anxiety disorders including depression, phobias, and PTSD utilizing Eye Movement Desensitization and Reprocessing (EMDR) therapy
- Researched and coded the main functionality of the application in **Swift** using **SQLite** to store user sessions data in a database, personally aiding in the treatment of family and friends' anxiety and depression
- Optimized and analyzed App Store Optimization through keyword and local promotions, accomplishing the sale of 4,000+ units

SKILLS

- Languages: Mandarin Chinese (Upper-Intermediate), Latin (Basic)
- Computer: Python, Swift, Excel, XCode, Git, MATLAB, C
- Design: Photoshop, Illustrator