

# SUNNY DHINDSA

 // [sunny.dhindsa@nyu.edu](mailto:sunny.dhindsa@nyu.edu) // [linkedin.com/in/sunny-dhindsa/](https://www.linkedin.com/in/sunny-dhindsa/)

## EDUCATION

- Expected 12/25 **NEW YORK UNIVERSITY** New York, NY  
**The Courant Institute of Mathematical Sciences**  
**M.S. in Mathematics in Finance**
- *Expected Coursework:* object-oriented programming (Java), penalized regression, decision trees, linear regression, Fama-French, Black-Scholes, stochastic processes, Hull-White model
- 09/18 - 05/22 **NEW YORK UNIVERSITY** New York, NY  
**B.A. in Computer Science; Minor in Mathematics**
- *Coursework:* real analysis, probability/statistics, software engineering, linear algebra, numerical analysis, mathematical finance

## EXPERIENCE

- 08/22 - 07/24 **MOODY'S ANALYTICS** New York, NY  
**Associate Software Engineer (Python, SQL, C#)**
- Automated GCORR data delivery process, reducing timeline from 6 months to 2 hours
  - Enhanced financial applications with C#, adding new features and resolving issues to meet stakeholder requirements
  - Collaborated with cross-functional teams to engineer and deploy applications, improving analyst workflows and efficiency
  - Attained AWS and Azure certifications to maintain and optimize databases, leveraging cloud technologies for improved performance and scalability
  - Developed and maintained RESTful APIs, enabling seamless integration between internal systems and third-party services
- 06/20 - 05/22 **MICROSOFT TEALS** New York, NY  
**Computer Science Teaching Assistant**
- Created and delivered AP Computer Science curriculum, enhancing students' programming skills
  - Instructed 40+ students in CS fundamentals, improving their understanding and performance, resulting in 100% student retention rate
- 06/21 - 08/21 **AT&T** New York, NY  
**Software Engineering Intern**
- Engineered full-stack prototype using JavaScript for SmartMedia team, creating media platform that adapted to user preferences and environmental changes
  - Conceptualized streaming service for WarnerMedia during Intern Challenge, providing users with cross-platform recommendations; won individual award for best project and presentation
  - Designed wireframes and implemented UI using HTML/CSS and built SQL database to store and manage user data efficiently

## PROJECT

- 01/21 - 02/21 **NEW YORK UNIVERSITY** New York, NY  
**Trading Algorithm (Python)**
- Developed quantitative momentum investing strategy to select top 50 S&P stocks with highest price momentum, using Python libraries such as Numpy, Pandas, and SciPy
  - Calculated recommended trades for equal-weight portfolio, employing statistical analysis based on stock price history to optimize investment decisions

## COMPUTATIONAL SKILLS / OTHER

**Programming Languages:** Python, Java, C/C++, C#, JavaScript, SQL, HTML/CSS, MATLAB

**Languages:** English (Native), French (Conversational), Spanish (Conversational)

**Affiliations/Certifications:** AWS Cloud Practitioner, Microsoft Azure Fundamentals Certified

**Interests:** Long distance running – Boston Marathon qualifier