ANDREW YANG

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EDUCATION

Princeton University | *Princeton, NJ | GPA: 3.8*   Expected May 2026
B.S.E. in Operations Research and Financial Engineering; Minor in Computer Science
Relevant Coursework: Financial Investments, Probability and Stochastic Systems, Fundamentals of Statistics, Optimization, Introduction to Financial Mathematics, Algorithms and Data Structures, Regression and Applied Time Series

Mira Costa High School | *Manhattan Beach, CA | GPA: 4.00 | ACT Composite: 34*   Jun 2022
Honors: Gold Presidential Service Award, AP Scholar with Distinction, California Scholarship Federation Lifetime Member

EXPERIENCES

Andlinger Center for Energy and the Environment | *Princeton, NJ*   Jun 2024 - Aug 2024
Data Science Intern
- Designed a critical path algorithm to model the optimal sequencing pathway for assets in energy transition models
- Modeled the complex network of various sectors in the pipeline of sustainable energy transition to showcase cross sector dependencies, optimize infrastructure development and accelerate the decarbonization process

International School Services | *Princeton, NJ*   Dec 2023 - Jan 2024
Investment Analyst
- Created 268 equity and 101 fixed income allocations comprised of the S&P 500, Nasdaq-100, MSCI World, MSCI EM, Bloomberg Aggregate, and BofA High Yield indices to determine a benchmark for ISS's future investment strategies
- Reduced allocations to 12 for equity and 11 for fixed income, optimizing for returns gained per unit increase of volatility
- Presented findings and recommended a 55-45 equity to fixed income investment benchmark to ISS board directors and fund managers, projecting a 7.47% annualized return, 9.76% annualized volatility, and -30.64% max drawdown

Qatar Computing Research Institute | *Doha, Qatar*   Jun 2023 - Aug 2023
Machine Learning Intern
- Oversaw the transition of Sat2Graph—a deep learning model that extracts road graphs from satellite imagery—from TensorFlow to PyTorch to reduce technical debt and better align with the team's updated framework preferences
- Reviewed existing codebases and integrated in-line comments to streamline team onboarding and improve code readability
- Optimized model architecture and refined network hyperparameters, resulting in a 24.6% overall reduction in testing loss
- Identified and rectified critical bugs in custom DataLoader, leading to improved data augmentation and a 10.5% reduction in loss during respective training steps for datasets pertaining to non-metropolitan regions

LEADERSHIP & ACTIVITIES

Annex Capital Partners | *Princeton, NJ*   Sep 2023 - Present
Investment Analyst
- Analyze company statements, management, and industry trends to identify investment opportunities for a $90k l/s fund
- Craft detailed presentations, modeled business structures, and created valuation models for investment pitch sessions

Business Today | *Princeton, NJ*   Sep 2023 - Feb 2024
Logistics and Events Staffer
- Manage a $600k budget overseeing food, accommodations, and event planning for BT's 49th International Conference
- Communicated cross-functionally across 5 subteams (Marketing, Media, Content, Student & Executive Relations) to ensure cohesive integration of logistical operations and strategies for 150+ conference attendees and c-suite executives

Princeton University Computer Science | *Princeton, NJ*   Sep 2023 - Dec 2023
Undergraduate Course Assistant
- Mentored 13 students in COS 126, enhancing student understanding and proficiency in fundamental Java and CS concepts
- Collaborated with precept instructor biweekly to review course material and assist with in-class programming exercises

SKILLS & INTERESTS

Skills: Fluent in Mandarin, Microsoft Office Suite, Java, Python, Data Management, Quantitative Analysis, Basic Accounting
Interests: Cello, guzheng, badminton (ranked), speedcubing, chess, Qin dynasty & US history, weight lifting, NBA (Curry fan)
Favorite Books: *And Then There Were None, The Institute, The Nickel Boys, Crime and Punishment, Lord of the Flies, Beowulf*
Favorite TV/Movies: *Suits, Stranger Things, GOT, Nirvana in Fire, Dark Knight Trilogy, The Greatest Showman, Interstellar*
Personal Feats: Invited to perform at Carnegie Hall, solved a Rubik's cube in 9 sec, finished 1st out of 85 in a poker tournament