

YUTONG (IRIS) WANG

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Williams College Class of 2030 | [LinkedIn](#) | [GitHub](#)

EDUCATION

Williams College , Williamstown, MA Bachelor of Arts Prospective Major: Math and Economics Current Coursework: - MATH 200: Discrete Mathematics - ECON 213: Environmental Economics - CSCI 136: Data Structures & Advanced Programming - ENGL 129: Literary Origins	Expected May 2030
Scarsdale High School , Scarsdale, NY ACT: 36 GPA: 4.22 (unweighted) AP Exams: 13 scores of 5, including Calculus BC, Statistics, and Computer Science Additional Coursework: Multivariable Calculus (LSU Math 2057), Linear Algebra, Statistics	June 2026

TECHNICAL SKILLS

Programming: Python, Java
Data Science & Machine Learning: Exploratory Data Analysis, Pandas, NumPy, Scikit-Learn, Random Forest, XGBoost
Tools: Jupyter Notebook, Excel, Git/GitHub

EXPERIENCE

Visionet Data & AI Team Intern - Analyzed 103 transaction records from a practice Kaggle e-commerce sales dataset to identify customer purchasing and return patterns - Standardized 13 variables, performed imputation, and conducted exploratory data analysis to improve data quality and model readiness - Engineered 10+ predictive features from transactional and customer-behavior data to enhance model performance - Developed classification models for product-return prediction, achieving 70% accuracy - Built regression models to forecast future sales, reducing prediction error by 25% compared with baseline methods - Trained and optimized Random Forest and XGBoost models through hyperparameter tuning and feature selection - Generated 1/2/4-week sales forecasts using historical transaction data and trend analysis - Designed and tested API endpoints to deploy machine-learning models for real-time prediction and business use - Presented model methodology, evaluation metrics, and forecasting results to a team of data and AI professionals	April-June 2026
Areteem Student Mathematical Curriculum Development Intern - Edited and reviewed 10 chapters of middle-school mathematics curriculum materials - Improved clarity, consistency, and instructional effectiveness of problem sets and explanations	Summer 2025
AMC Preparation Program Founder & Instructor - Founded and led an online AMC 8 preparation program serving 100+ middle school students - Wrote weekly problem sets covering algebra, geometry, counting, and number theory and led weekly problem-solving sessions	2023-2026

RESEARCH

Statistical Modeling and Forecasting of Seismic Events <i>Intelligence Planet Journal Vol .1 No .3</i> - Conducted a one-year research project analyzing 15,000+ historical earthquake records - Applied time-series analysis, regression techniques, and probability distributions to model earthquake frequency and magnitude trends - Evaluated relationships among earthquake occurrence, magnitude, depth, and geographic location through statistical analysis - Authored and published findings in Intelligence Planet Journal, October 2024	2024
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MATHEMATICS

Competition Mathematics - USA Mathematical Olympiad (USAMO) Qualifier (national top 250), 2025 - USA Junior Mathematical Olympiad (USAJMO) Qualifier (national top 250), 2024 - MAA Young Women in Mathematics Certificate of Excellence, 2024 & 2025	
Math Team Officer , Scarsdale High School - Led team to NY State Division A Third Place, 2025 - Contributed to NY State Division B State Championships, 2023 & 2024 - Seven-year member of competitive mathematics team	2024-2026
Advanced Mathematics Independent Study - Co-founded a five-student advanced mathematics seminar under Dr. Kumaresan from Scarsdale - Studied topics including multivariable calculus, countability, and proof-based mathematics - Delivered presentations on triple integrals, set theory, and theoretical mathematics - Collaborated on mathematical writing and research projects	2025-2026

ATHLETICS

Williams College Varsity Swim & Dive NCAA Division III Student-Athlete Member of the Williams College varsity swim & dive team competing at NCAA level	2026-Present
New York Dive Club Junior Olympic Diver 2019–2026 - Competed at AAU and USA Diving Junior Olympic competitions. - Maintained 15+ hours/week training during the academic year and 40+ hours/week during summers.	2019-2026
Scarsdale High School Varsity Swim & Dive Varsity Diver & Co-captain - NYS Section I Diving Champion (2024). - All-Section Award Recipient (2023-2025). - NYS Section I Co-Captain (2025-2026).	2022-2026