

Kevin Zhou

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Education

Hopewell Valley Central High School, Pennington, NJ

High School Junior (Class of 2027)

- **Academic Statistics:** 4.59 W, 4.171/4.33 UW GPA | AP Scholar with Honor | 1550 SAT (790M 760R)
- **Coursework in progress:** AP Statistics, AP Computer Science A, Calculus 3, AP Physics 1
- **The Junior Academy,** New York Academy of Sciences – Selected participant (2026)

Technical Projects

PLForecast | Personal Project | December 2025–February 2026

- Built a predictive model for Premier League placings using Python and real match data
- Implemented Monte-Carlo simulation (20k) & ELO calculations for power rankings & win predictions

Machine Learning Explorations | Personal Projects | 2025

- **Credit Card Fraud Detection:** Logistic Regression & Decision Tree; achieved 97% precision on skewed dataset
- **Twitter Sentiment Analysis:** LSTM + Binary Cross-Entropy Loss; 93% validation accuracy on Tweets
- **MNIST Digit Recognition:** 2D CNN w/ 128 ReLU & 10 Softmax layers; 98%+ test accuracy on handwritten digits

Algorithmic Trading Simulator | Veritas AI Deep Dive | July 2025–Aug 2025

- Built a simulated trading environment using Python to model market behavior
- Applied supervised learning techniques to predict price movements
- Ensured data quality for 1200 points of historical data; achieved MSE & MAE < 20

YouTube Channel Growth | Self-directed | 2023

- Grew a [soccer highlights channel](#) to 400k+ total views through SEO, thumbnails, and consistent uploads

Leadership & Awards

- Student Council Vice President (2025–26) | Raised \$8k for Homecoming | 300+ items in food drive partnership
- Presidential Service Award – Gold (2025, unofficial)
- National French Exam - Silver Medalist
- NSTEM Board Member, Mu Alpha Theta, NHS, SNHS

Experience

Google-Sponsored Research Assistant | University of Michigan-Flint | Jan 2026–Present

- Supporting groundbreaking research with Google SWE & two faculty researchers in creating a novel Kotlin compiler that detects run-time errors at compile time

WULA Camp Counselor | June 2024–July 2024

- Led daily lessons for 30+ campers in introductory programming in Scratch & math

Skills

- **Programming:** Python, R, Java, C++ | 400+ [Leetcode](#) problems solved, top 10% contest rating
- **ML/DS:** TensorFlow/Keras, scikit-learn, pandas, NumPy, Beautiful Soup
- **Tools:** Git, VS Code, Jupyter Notebook

Additional

- Piano, ABRSM Grade 8, 11+ years experience, performed at Carnegie Hall
- Co-Led Scholars United Initiative – 3 years, 1 year leadership, raised \$1k for underserved students