Kevin Zhou

Pennington, NJ | kevinz09302009@gmail.com | LinkedIn | GitHub | Portfolio

EDUCATION

Hopewell Valley Central High School, Pennington, NJ   Junior (Class of 2027)

Academic Statistics: 4.65 W, 3.96/4.0 UW GPA | 1550 SAT (790M, 760R)

Honors: AP Scholar w/ Honor | USACO Silver | National French Exam Silver | Presidential Service Award Gold (2025) | Leetcode top 10% contest rating (400+ problems) | Mu Alpha Theta | NHS | SNHS

Relevant Coursework: AP Statistics, AP CSA, Calculus 3, AP Physics 1

TECHNICAL PROJECTS

PLForecast   Personal Project | Dec 2025–Feb 2026

- Built Premier League prediction model using Python match data; implemented 20k Monte-Carlo simulations & ELO calculations for power rankings

Machine Learning Explorations   Personal Projects | 2025

- Fraud Detection: Logistic Regression/Decision Tree; 97% precision on skewed dataset
- Sentiment Analysis: LSTM with 93% validation accuracy on tweets
- MNIST: 2D CNN (128 ReLU, 10 Softmax); 98%+ test accuracy

Algorithmic Trading Simulator   Veritas AI | Jul–Aug 2025

- Python trading environment predicting price movements with supervised ML; achieved MSE/MAE <20 on 1,200 historical data points

YouTube Channel Growth   Self-directed | 2023

- Grew soccer highlights channel to 400k+ total views via SEO optimization and thumbnails

LEADERSHIP & ACTIVITIES

Student Council Vice President   Sep 2025–Present

- Raised $8k for Homecoming; organized food drive collecting 300+ items; hosted pep rallies, events, spirit weeks

Executive Director, Minorities in STEM   Feb 2026–Present

- Impact 70k+ individuals; 1k+ followers on all platforms; oversee 100+ volunteers while improving curriculum, outreach, and content, recently partnering with NSRI to provide Ivy-level research mentorship to 10 students

NSTEM Board Member   Aug 2025–Present

- Created STEM workshops and hosted guest speakers in various STEM topics

Co-Led Scholars United Initiative   Sep 2024–Present

- 1 year membership, 1 year leadership; raised $1k for underserved students; 300+ volunteer hours across members this year, 80+ personally over 2 years

EXPERIENCE

Researcher   YCRG-Labs | Mar 2026–Present

- Researching ML methods for scientific discovery, focusing on novel immunotherapy approaches

Human-Centered AI Researcher   Junior Academy | Mar 2026–Present

- Developing ensemble learning framework to stabilize BCI signals for smooth prosthetic control. Mentored by Dartmouth PhD.

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

- Collaborating with Google SWE and two faculty researchers in creating a novel Kotlin compiler that detects run-time errors at compile time for scalable software

WULA Camp Counselor   Jun–Jul 2024

- Led daily Scratch/math lessons for 30+ campers

SKILLS

Python, R, Java, C++, TensorFlow/Keras, scikit-learn, pandas, NumPy, Beautiful Soup, Streamlit, Seaborn, Matplotlib, Git, VS Code, Jupyter

ADDITIONAL

Piano, ABRSM Grade 8 (11+ years), performed at Carnegie Hall 3x