CHANGYE CHEN

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EDUCATION :

Stevens Institute of Technology, Hoboken, NJ   Expected Dec, 2026
Master of Engineering in Engineering Management
Shaanxi University of Science and Technology, Shaanxi, China   Sept, 2021 to June 2025
Bachelor of Business, Business Management

ACADEMIC PROJECTS

Stevens Institute of Technology, *Research Assistant*, Hoboken, NJ   09/2025 – Present
- Standardized EEG preprocessing standard work: automated conversion MAT/EDF/BDF into a single EDF/NumPy format with JSON metadata and 15+ QA/schema checks; batch-processed 20+ datasets across Amazon S3 with audit trails.
- Built a 12-field catalog for 50 datasets (41 downloaded) and set a weekly reporting cadence; improved traceability, subject-wise splits, and baseline readiness for cross-subject studies.

Machine Learning & Analytics, *Team leader*, Hoboken, NJ   09/2025 – 11/2025
- Led a machine learning project using Python, pandas, NumPy and scikit-learn to process a 668 MB NFL play-by-play dataset covering the 2009–2018 seasons, cleaning data, fixing types and building a reproducible pipeline in Jupyter Notebook.
- Aggregated play-level data into game-level records with 2,526 games and engineered more than 18 features for both teams, including recent wins, win rate, average points for, average points against, point differential and rest days.
- Built scikit-learn pipelines to compare three scaling strategies, no scaler, StandardScaler and MinMaxScaler, and trained multiple models such as Logistic Regression, Random Forest, Gradient Boosting, SVC, KNN and XGBoost using ten-fold cross validation.
- Evaluated models using accuracy, confusion matrix and ROC AUC, and presented feature importance, ROC curves and key insights in a group presentation with slides.

WORK EXPERIENCE :

China Global Logistics Co., Ltd., *Data Science Intern*, Shanghai, China   01/2025 – 05/2025
- Consolidated daily carrier quotes into one SOP-driven pipeline; reduced manual aggregation from ~3 hours/day to <1 hour/day and improved price-update timeliness across 10+ routes.
- Built weekly/monthly rate dashboards and briefed sales & ops leads and 10+ clients; enabled proactive cost planning (~15% swings) and cut clarification cycles.
- Established a repeatable reporting cadence (weekly exec readout) that held during peak periods.

Shanghai Shengke Instrument Company, *Operations Assistant Intern*, Shanghai, China   05/2024 – 09/2024
- Audited 200+ import/export & inventory records weekly with 100% reconciliation accuracy; tightened SOP handoffs between procurement, logistics, and warehouse.
- Cleared 100% of release backlogs for 50+ SKUs in 2 weeks via daily standups and root-cause fixes; improved outbound accuracy and on-time shipments.
- Standardized inventory–finance sync, reduced monthly close from 5 days to 1 day

Xiyu Meinong Co., Ltd, *Production Operations Intern*, Shannxi, China   06/2023 – 09/2023
- Monitored line parameters and documented quality & safety compliance; escalated anomalies for faster recovery.
- Coordinated materials and schedules for e-commerce peaks, improving fulfillment efficiency ~20%.
- Built a standard inspection checklist to align production, quality, and logistics; reduced handoff misses.

SKILLS AND INTERESTS
- *Computer Skills:* Microsoft Excel/PowerPoint/Word; Jupyter Notebook; SQL; Python (pandas, NumPy, scikit-learn)
- *Language Skills:* Mandarin (native); English (professional)