LINGUO REN

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EDUCATION

Bowdoin College, Brunswick, ME   **Expected May 2025**
B.A. in Computer Science and Mathematics, Minor in Education, GPA: 3.7/4.0
Coursework: Advanced Data Science, Financial Machine Learning, Deep Learning & Computer Vision, Mathematical Reasoning,
AI Ethics, Cognitive Architecture, Power & Progress in Higher Ed, Japanese Politics & Society, U.S.-China Relations, Photography

Grua/O'Connell Award (2023): Undertook an 800-mile bikepacking journey along the East Coast Greenway, exploring the impact of
social privilege on greenway usage by connecting with local cyclists for overnight stays and interviews; featured in *The Quoddy Tides*

WORK EXPERIENCE

Pinestone Asset Management, Shanghai, China   **July 2024 – August 2024**
Quantitative Analyst
- Integrated **8M+ records** from major stock indices into a **20-year** clean, reliable dataset using Pandas and NumPy, eliminating
  the need for pre-analysis data preparation and enabling low-frequency trading strategies for a **$1.4B+ AUM** quant hedge fund
- Resolved hundreds of abnormal data points by conducting historical research while documenting the data cleaning process to
  ensure transparency, reproducibility, and consistency
- Developed a **Python-based time-series trend analysis tool** that segments minute-level daily data into custom intervals (e.g.,
  5min, 30min, 3h), computes mean trends for each interval over a given date range, and visualizes intraday variations
- Enhanced the company's Python-based visualization tools by expanding support for diverse data inputs, introducing intuitive
  debugging warnings, and implementing dual y-axis charts to compare variables with distinct units (e.g., volume vs. price)

Sealand Securities, Shanghai, China   **June 2023 – August 2023**
Data Analyst
- Preprocessed trading data from vendors using SQL and Pandas, curating market briefings and generating analytics datasets
- Certified in IBM's Data Science Specialization (10-course series), focusing on data wrangling, cleaning, visualization, report
  writing, and hands-on experience with Python libraries, machine learning models, and techniques

Academic Technology & Consulting, Bowdoin College, Brunswick, Maine   **May 2022 – September 2022**
Canvas Migration Project Assistant
- Reviewed the accuracy and accessibility of **1,500+ courses** on a new campus-wide Learning Management System (LMS)
- Identified and resolved accessibility issues by implementing OCR-compliant PDFs to meet the college's accessibility
  standards, improving content accessibility and inclusivity for **2,000+ users**

Residential Life, Bowdoin College, Brunswick, Maine   **May 2023 – Present**
Proctor
- Facilitate **50+ dinners and discussions** on social justice, violence prevention, and mental health, fostering a supportive and
  inclusive environment that empowered 30 first-year students to engage and feel heard, **achieving a 90%+ approval rating**
- Mediate conflicts, manage emergencies (e.g., intoxication, violence), and ensure resident safety as the first point of contact
- Collaborated with deans to interview and select 30 proctors from a competitive pool of 115 candidates

Howell House (Formerly "Alpha Delta Phi Society"), Bowdoin College, Brunswick, Maine   **August 2022 – June 2023**
Programming Chair
- Led a team of 25 to revitalize house culture, doubling event attendance and transforming it into a vibrant community hub for
  1,800+ students within a year; recognized as the **"Most Inclusive Social House"** by students
- Managed a **$3,000 budget to plan and execute 25+ events**, including a Friendsgiving dinner for students unable to travel
  home, a Halloween Haunted House for local children, and a campus-wide spikeball tournament

PROJECTS AND SKILLS

Abnormality Detection in Stock Market with Unsupervised Learning   **April 2024 – May 2024**
Project Link
- Extracted compressed latent representations of high-frequency trading data using a Temporal Convolutional Network
  Autoencoder, preserving temporal dependencies and reducing data dimensionality for anomaly clustering and detection
- Grouped trading behaviors based on similarities by applying hierarchical clustering algorithms to encoded representations
  and visualized the results using dendrograms

Technical Skills:
Proficient in: Python (Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, PyTorch, NLTK), R (Tidyverse, ggplot2), Java, SQL
Experienced in: Stata, LaTeX, HTML, CSS, JavaScript, React, C, Git

Languages: Chinese (Native), English (Bilingual Proficiency), Spanish (Intermediate)

Hobbies: Rowing, Cycling, Ice Hockey, Running, Nordic Skiing, Lacrosse, Day Hike, Jazz Band, Traveling