

# Cooper Lawrenz

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## WORK EXPERIENCE

### Financial Operations Assistant

The University of Puget Sound, WA, US

06/2023 – 05/2024

- Processed 10,000+ financial transactions and managed accounts payable operations, ensuring accurate recording of institutional expenditures in PeopleSoft ERP system
- Delivered 3-month analytical project extracting and structuring financial data from PeopleSoft into Excel pivot tables, enabling finance team to analyze vendor expenditure patterns and identify cost optimization opportunities
- Trained 2 junior staff members on financial processing workflows and data management procedures, developing documentation to standardize operational processes

### Data Specialist

Colorado Department of Public Health and Environment, CO, US

03/2021 – 07/2022

- Supported evidence-based public health policy during COVID-19 crisis by contributing 50,000 entries to state vaccination database, enabling real-time tracking of immunization coverage across Colorado
- Led data quality improvement initiative for healthcare facility database covering 1,000+ vaccine providers, integrating information from proprietary government systems (CIIS) and independent research to create accurate institutional dataset. Resolved inconsistencies across 20,000+ records, reducing data duplication by approximately 20% and enabling senior analysts to assess clinic effectiveness
- Collaborated with cross-departmental teams to maintain data integrity under strict confidentiality protocols while meeting delivery deadlines during public health emergency

## EDUCATION

### The London School of Economics and Political Science (LSE), UK

09/2024 – 09/2025

MSc Economic History (Merit)

- Developed expertise in institutional economics and policy analysis through rigorous econometric training, applying quantitative methods to understand how organizational structures affect strategic outcomes
- Dissertation: Examined central bank independence in 18th-century Britain across 150 years of historical data using Local Projections methodology—a novel approach for this research area. Identified statistically significant positive relationship between fiscal crises and bond yield increases with empirical evidence
- Led cross-functional team on machine learning project developing neural network for deepfake detection, achieving 95% classification accuracy using PyTorch on complex information verification challenge

### The University of Puget Sound, US

08/2021 – 05/2024

B.A. Economics; Computer Science (Cum Laude, 3.75/4 GPA)

- Built foundation in economic analysis, econometrics, and quantitative problem-solving with emphasis on empirical research and data-driven decision-making
- Thesis: Analyzed causal relationships between income inequality and mental health outcomes using 800,000 observations across 6 years of longitudinal data, employing ordinal logistic regression to identify policy implications from complex socioeconomic patterns
- Developed RNN model for currency exchange rate forecasting, achieving mean absolute error of 0.025 through 20 years of historical training data
- Presented research findings to non-specialist academic audiences, translating technical economic concepts for diverse stakeholders without quantitative training

## SKILLS & INTERESTS

**Research & Analysis:** Advanced econometrics, time-series analysis, institutional economics, policy evaluation, quantitative research design

**Technical Proficiency:** Statistical analysis (R - 2 years), database management (SQL - 1 year), financial modeling (Excel), programming (Python - 4 years, Java - 2 years), machine learning frameworks (TensorFlow, PyTorch), data visualization

**Communication & Collaboration:** Cross-functional team leadership, stakeholder engagement, academic presentations

**Specialized Experience:** Confidential data handling, regulatory compliance, institutional analysis, economic forecasting