

Tre Pepper

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Seattle, WA – Open to Relocate

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Education

Master of Science in Data Science

Florida State University (FSU), Tallahassee, FL

GPA: 3.9

In Progress, December 2026

Bachelor of Science in Computer Science

Florida State University (FSU), Tallahassee, FL

GPA: 3.4

May, 2025

Technical Skills

Languages: Python, SQL, Java

Databases: MySQL, Oracle

Data Engineering: ETL Pipelines, API Data Ingestion, Data Cleaning

Data Processing: pandas, NumPy

Visualization: Matplotlib, Seaborn, Tableau

Tools: Jupyter Notebook, Flask, Git, VS Code, Excel, PowerPoint, vi, Emacs

Projects

Global Economic Indicators Data Pipeline

- Ingested raw GDP-per-capita and compiled economic data from external sources
- Cleaned, reshaped, and validated datasets into analysis-ready panel formats
- Implemented reproducible transformation and analysis workflows in Python
- Generated summary tables and visual outputs for downstream analysis and reporting

Weather Data Pipeline

- Built automated pipelines to ingest weather data from public APIs
- Cleaned and transformed time-series data for efficient querying and modeling
- Exposed processed datasets and results via a Flask based service

GTO (Game Theory Optimal) Poker Trainer

- Generated and processed large datasets of simulated poker game data
- Structured datasets to support analytical queries and scenario evaluation
- Implemented validation logic to ensure consistency across simulations

Professional Experience

Computational Astrophysics Research Assistant

FSU Department of Astrophysics, Tallahassee, FL

Sept, 2023-May, 2024

- Modernized legacy scientific simulation code for compatibility with modern compilers and Linux systems
- Debugged and refactored performance-critical sections of numerical simulation software
- Applied box-counting methods to analyze nonlinear multiphysics phenomena

Activities

Alumni, Garnet and Gold Scholar Society, Florida State University (FSU)

Member, National Society of Collegiate Scholars

Alumni, FSU International Programs (Florence, Italy)

Member, FSU Track and Field Club, Florida State University

Member, Association for Computing Machinery (ACM)

Member, President's List: Fall 2022; Dean's List: Spring 2023, Summer 2023, Spring 2024, Spring 2025