Rex A. Tyrannus

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Profile

Applied research-oriented candidate with a taste for rigorous, reproducible workflows. Recently completed the ASU AI Workshop on Git, GitHub, and Agentic AI, and now seeking to contribute to frontier AI organizations. Known for disciplined engineering, unusually high compute appetite, and a formal approach to wild ideas.

Education

Cretaceous Institute of Technology — 66–65 Mya
B.Sc. in Computational Paleontology (Honors)
Thesis: *Temporal Pattern Mining in Fossil Record Lattices*

AI Workshop Training (ASU)

Workshop: Git, GitHub, and Agentic AI — January 2026
- Built reproducible analysis pipelines: data → scripts → outputs → LaTeX artifacts.
- Practiced issue-driven development and structured branching strategies.
- Implemented automated reporting in LaTeX with figures/tables and Makefile orchestration.

Skills and Tools

Version Control & Collaboration
Git, GitHub, pull request workflow, issue tracking, code review etiquette.

Agentic AI Workflow
Plan-mode decomposition, tool-assisted execution, task tracking, reproducible outputs.

Data & Analysis
Python, pandas, NumPy, statsmodels, reproducible scripts, data validation.

Visualization
matplotlib, seaborn, publication-quality plots (PNG/PDF).

Docs & Publishing
LaTeX (booktabs, figures/tables), Beamer slides, Makefile automation.

Selected Projects

Reproducible Research Template (Workshop Capstone)
- Engineered a full analysis pipeline with deterministic outputs and automated PDF generation.
- Produced LaTeX-ready tables and figures, wired into paper and slide builds.
- Demonstrated end-to-end reproducibility with scripted data generation and reporting.

Agentic Resume Builder (This CV)
- Defined multi-step plan, created new LaTeX CV artifact, and integrated Makefile build target.

- Balanced formal tone with creative narrative to communicate technical competence.

Experience

Research Assistant, Temporal Ecology Lab   66–65 Mya
- Modeled ecosystem transitions using statistical tools and reproducible scripts.
- Coordinated cross-team documentation for mixed human and dinosaur collaborators.

Awards & Recognition

- **Best Large-Model Behavior** – Cretaceous Innovation Forum, 65 Mya.
- **Workshop Excellence** – ASU AI Workshop, 2026.

Interests

Frontier model safety, tool-using agents, responsible AI, and meteor-avoidance strategies.