

Robert Lane

Research operations · Finance · Software

Ann Arbor, Michigan · robertlane@fastmail.com
sortacatcompany.com · linkedin.com/in/roberthlane · github.com/roberthlane

I build software and data tools for research and financial workflows. My background spans Cochrane editorial operations, financial analysis, and audit.

Professional experience

Cochrane Urology | Managing Editor | Sep 2025–present; Apr 2018–Dec 2021

Coordinate authors, editors, and peer reviewers through systematic-review preparation and publication. Support editorial quality assurance, structured information management, and methodological and reporting requirements.

Career note (2022–2025): Full-time parent supporting remote schooling in Ann Arbor alongside graduate coursework and independent software development; returned to Cochrane Urology in Sep 2025.

Michael Foods | Financial Analyst | May 2016–May 2017

Built product, pricing, and margin models. Led financial analysis for two business initiatives and tracked realized performance against the original financial case.

Best Buy | Senior Financial Analyst | Aug 2013–Aug 2015

Improved Sprint-related processes, increasing annual cash flow by approximately \$3M. Identified a commission-system error that recovered \$520K in unpaid commissions. Managed vendor-payment reconciliations averaging \$80M monthly.

Texas State Auditor's Office | Auditor | Apr 2012–Feb 2013

Tested federal compliance controls and documented evidence supporting the audit team's opinion on approximately \$146M in federal expenditures at two agencies.

United States Air Force | ICBM Deputy Combat Crew Commander | Jun 2002–Jan 2005

Operated and monitored systems under strict safety, security, and verification protocols.

Selected software projects

Research Ops Data Architecture | Python, SQLite, SQL Server

Built a reproducible Python/SQLite pipeline that validates synthetic workflow records and traces lifecycle reports back to source data.

FP&A Price-Volume-Mix Workbench | Python, SQLite, financial modeling

Built a synthetic budget-to-actual margin bridge separating volume, mix, price, and cost, with SQLite outputs and illustrative quarterly scenarios.

I define requirements, direct development, and evaluate results, using AI coding tools extensively for implementation, tests, documentation, and review.

Education

MS, Accounting Information Systems – University of Texas at Dallas

BS, Finance; BS, Business Administration; BA, Chemistry – University of Texas at Dallas

BA, Political Science – University of Southern California

Paused graduate study: Artificial Intelligence through Udacity and Woolf University; Computer Science at the University of Colorado Boulder. Neither is an awarded degree.

Tools and methods: Excel · Python (pandas) · JavaScript/TypeScript · SQL (SQLite, PostgreSQL) · API integration · Git/GitHub Actions · pytest/Playwright · financial modeling and reconciliation · data validation and audit trails