- Physiology/Immunology : Hematology tests, immunoassays (hemagglutination, ELISA, complement-mediated lysis), electrophysiology, and EEG signal acquisition & processing (gain, filtering, aliasing).
- Understanding of basic accounting principles (cost classification, financial statements)
- Knowledge of organizational behavior concepts (team dynamics, decision-making, leadership)
- Microsoft Office Suite (Word, Excel, PowerPoint)
- LaTeX – structured documentation and scientific writing

LANGUAGES

- French (fluent)
- English (fluent)

PROJECTS & INDEPENDENT LEARNING

Pharmaceutical LIMS Integration (SENAITE) July 2025 – Ongoing
Configuring and integrating SENAITE 2.6 on Ubuntu to establish controlled QC workflows and data management for pharmaceutical laboratory operations. Implementing multi-instance architecture, customizing add-ons, and preparing GMP-aligned deployment strategies for future lab use.

JonTruon.com - Personal Knowledge Repository Website July 2025 – Ongoing
Built and currently maintaining a personal website curating whitepapers, working papers, and GMP/GLP compliance resources. Demonstrates self-directed learning, regulatory knowledge, and documentation skills.

Pharmaceutical LIMS Setup (SENAITE) June 2025
Deployed SENAITE 2.6 on Ubuntu 24.04 to evaluate its interface, capabilities, and QC workflow features. Explored sample tracking, version control, and reporting modules to understand LIMS functionality in GMP environments.

Open-Source ERP Setup (ERPNext) May 2025
Installed ERPNext to assess its modules and user interface for potential use in pharmaceutical QC operations. Reviewed role-based access control and financial structures aligned with GMP-compliant documentation.

SOP Draft Practice March 2025
Authored a sample SOP on best practices for SOP authorship in a GMP-compliant environment. Included metadata fields, version control, and standardized formatting to support traceability and document control. Sample available on GitHub.

GMP, GLP, and GDocP Self-Education March 2025 – Ongoing
Studied Good Manufacturing Practices (GMP) under Health Canada (C.02), FDA 21 CFR Parts 210/211, ICH Q-series guidelines, Good Laboratory Practices (GLP) per OECD and FDA 21 CFR Part 58, as well as Good Documentation Practice (GDocP). Gained working knowledge of pharmaceutical and preclinical quality systems, documentation control, data integrity, validation expectations, and regulated workflows.

Custom Desktop Workstation Build Sept 2024
Designed and assembled a dual-boot Windows/Linux workstation for academic modeling and system testing. Configured hardware (CPU, SSD, cooling), BIOS, and thermal profiles for stable system operation. Used for hosting LIMS, ERP, and scientific visualization tools.