

Jonathan Truong

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Personal Projects

Internal Validation Project and Pharmaceutical Systems – Montreal, QC Mar 2025 – Present

- Design and implementation of a pharmaceutical Quality Control LIMS from the ground up (Python [Django], TypeScript [React, Next.js], PostgreSQL, Docker, Redis, Nginx).
- Drafting of a VMP, VP, URS, FRS, SDS, RTM, IQ, OQ, PQ, and a review/approval log following GAMP5 guidance for the LIMS.
- Deployment and configuration of SENAITE 2.6 (an open-source LIMS) on Ubuntu (24.04 LTS) with multi-instance architecture and versioned QC data flows to explore functionalities.
- Implementation and configuration of ERPNext (an open-source ERP) with access control for QC operations.
- Drafting of an SOP with metadata and version control, compliant with ALCOA+ principles.

Education

McGill University – Montreal, QC Aug 2022 – Dec 2025
Bachelor of Science (BSc) in Pharmacology

Vanier College – Montreal, QC Aug 2020 – Jun 2022
Diploma of College Studies (DCS) in Pure and Applied Science

Work Experience

Grifols Canada Therapeutics Inc. – Montreal, QC Oct 2025 – Present
Sterile Drug Manufacturing Technician - Filling

- Execute aseptic filling operations within isolators under ISO Class 5 cleanroom conditions in accordance with cGMP (Health Canada, FDA, EMA), SOPs, and safety procedures.
- Set up, operate, and clean production equipment including filling lines, filtration systems, CIP/SIP skids, autoclaves, and parts washers.
- Perform in-process sampling, environmental monitoring, and cleaning validation activities to ensure process control and product sterility.
- Complete and review batch manufacturing records (BMRs) with accuracy and compliance to Good Documentation Practices (GDocP/ALCOA+).
- Conduct visual inspection and defect detection of vials and final containers (manual and semi-automatic systems), maintaining regulatory traceability.
- Assist in the preparation and revision of GMP documents (SOPs, batch records, and deviation reports) through the change control system.
- Support multidisciplinary operations by rotating across Fractionation, Purification, and Packaging areas based on manufacturing demands.

Midtown Sanctuaire – Montreal, QC May 2023 – Jul 2025
Lifeguard

- Maintained safety and compliance with Lifesaving Society standards
- Primary first-aid responder and safety lead for the entire establishment
- Ensured proper pool water quality

Saint-Léonard Aquatic Complex – Montreal, QC Jun 2019 – Aug 2022
Head Lifeguard and Swim Instructor

- As a head lifeguard, supervised and coordinated teams of 8 lifeguards; managed scheduling, compliance checklists, and daily reports
- Supervised swim lessons and ensured swimmer safety

- Performed pool piping & filtration system maintenance

Technical Skills

- Good Manufacturing Practice (GMP/cGMP) – Health Canada C.01–C.02, FDA 21 CFR Parts 210 & 211
- Good Laboratory Practice (GLP) – Health Canada/OECD, FDA CFR Part 58
- Good Documentation Practice (GDocP) – ALCOA principles for data integrity for GMP/GLP/GCP
- ICH Quality Guidelines (Q1–Q14)
- Molecular Biology: PCR, EP-PCR, gel electrophoresis, bacterial transformation, plasmid extraction, protein expression & purification, spectrophotometry, SDS-PAGE (Stain-Free), Western blotting, fluorescence microscopy, quantitative image analysis, and protein structure analysis.
- Organic Chemistry: Chromatographic methods (TLC, column), fractional/simple distillation, liquid-liquid extraction, drying agents, recrystallization, gravity/vacuum/hot filtration, IR spectroscopy, melting point determination, and reflux setup.
- 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)

Other Projects & Independent Learning

JonTruon.com - Personal Knowledge Repository Website

Jul 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.

GMP, GLP, and GDocP Self-Education

Mar 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

Sep 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.