Joaquin Almora

Kelowna, BC | 778-325-1162 | joaquin.almora@gmail.com | linkedin.com/in/jalmora | github.com/joaquinalmora

Education

University of British Columbia Expected May 2027
B.A. Computer Science Honours Program; GPA: 4.0 / 4.33 (86%) — Dean's List (2024–2025, 2025–2026) *Kelowna, BC*

Experience

Parking Technology & AI Integration Assistant May 2026 – Present
University of British Columbia, Parking Services *Kelowna, BC*

- Built, as sole developer, a parking-enforcement review platform (Python, SQLite) that ingests Genetec ALPR camera events, checks T2 permits and payments, and exports audited citations to T2.
- Helped raise citations written by **150%** in the platform's first four weeks versus the same weeks a year earlier.
- Extended it to UBC Vancouver from the same code line on a shared Windows Server/IIS host; Vancouver intake processed **7,394** violation events across 11 lots in its first week.
- Deployed two campus installations behind an IIS HTTPS reverse proxy with per-campus processes, scheduled tasks, health checks, and backup/restore tooling.

Freelance Software Developer Sep. 2025 – Present
ANKA, FCM *Remote*

- Built a WhatsApp receipt bot (TypeScript/Express, Twilio, OpenAI Vision) that parses receipts, confirms fields with the sender, and files them to Google Drive and Sheets; deployed for two clients.
- Made it dependable with a 3-attempt retry queue, dead-letter storage, stale-confirmation suppression, and Jest tests in CI.
- Built a reconciliation app for ANKA that matches bank charges to Outlook payment notifications via Microsoft Graph, linking 15 of 17 eligible charges in a July run, with preview-and-confirm writes to Google Sheets.

Research

Honours Thesis: Diffusion Code Models | *Python, LLM evaluation* 2026 – Present | GitHub

- Comparing seven diffusion code models on four benchmarks (pass@1, pass@10) against Llama and Qwen baselines.

Directed Study with BC Cancer (COSC 448) | *Clinical NLP* 2026 – Present

- Extracting cancer family history from EMR notes to flag candidates for hereditary cancer assessment.

Projects

Wordoku (iOS Game + ML Solver) | *Swift, SwiftUI, PyTorch* Jan. 2026 – Present | App Store | ML Solver

- Built and shipped a native iOS/iPadOS word-Sudoku game with puzzle generation, Daily Challenges, streaks, and offline play, reaching **450+ users** with a 5.0/5 App Store rating.
- Trained a PyTorch neuro-symbolic solver with MRV ordering and contradiction-pruned adaptive beam search that solves **1,500/1,500** held-out puzzles, covered by 121 tests.

DevFolio (Portfolio Analysis Platform) | *FastAPI, Next.js, Electron, Supabase, Tree-sitter* GitHub

- Shipped 35 merged PRs across the API, desktop app, and auth, including a Tree-sitter analysis pipeline for 14 languages with skill extraction and tiered proficiency scoring.
- Secured scan data with AES-256-GCM encrypted secret storage and LinkedIn OAuth 2.0 token refresh.

Course Hover Info (Browser Extension) | *JavaScript, Manifest V3* Chrome Web Store | GitHub

- Published a Chrome and Firefox extension that shows UBC grade distributions and RateMyProfessors ratings on course pages, with cached lookups; used by **85+** students.

Open Source Contributions

Kubetail | *Go, Rust, Kubernetes, Helm* 7 merged PRs

- Implemented async Kubernetes authorization caching (10k cap, 30s TTL, SHA-256 token hashing), fixed pods/log RBAC in the app and Helm chart, handled unsupported regex errors, and added Ubuntu multi-architecture CI checks.

Grafana k6, Nautobot | *Go, Python/Django* k6 #5610 | Nautobot #8510

- Wrapped k6 browser actionability errors with context for easier debugging, and fixed a Nautobot KeyError when the Django `CACHES` timeout is unset (backported to 2.4).

Technical Skills

Languages: Python, TypeScript, JavaScript, Go, Swift, Java, SQL, Rust
Frameworks: FastAPI, Node.js/Express, Next.js/React, Django, SwiftUI, PyTorch, Electron, Jest, pytest
Tools & Platforms: Git, GitHub Actions, Docker, Kubernetes/Helm, SQLite, Supabase, Windows Server/IIS, Twilio, OpenAI