Sean Le

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Education

University of Waterloo — Waterloo, ON
Bachelor of Mathematics, Honours Mathematics — *2026 – 2031*
Relevant Coursework: Data Science, Designing Functional Programming, Calculus 1, Algebra, Microeconomics

Projects

EasyNotch | *Swift 6, SwiftUI, AppKit, XcodeGen* — 2026 – Present

- Built and published a native macOS menu-bar app that renders over the display notch, with six feature tabs covering media controls, file drag-and-drop, a Pomodoro timer, a calendar agenda with one-click meeting joins, battery health, and system monitoring
- Designed an event-driven, dependency-injected architecture (observable services, no singletons, no third-party packages) that keeps idle CPU usage near 0%
- Wrote 147 unit tests across 16 suites (Swift Testing) covering core app logic; built and maintained an automated release pipeline for code signing and binary verification
- Distributed signed, MIT-licensed releases publicly via GitHub Releases across multiple version milestones

AI Syllabus Assistant | *LLM APIs, SQL, Google Calendar API* — 2026 – Present

- Developing an AI-powered app that parses course syllabi and uses LLM-based summarization to automatically extract grading breakdowns, deadlines, and assignments
- Designed a relational database schema to organize extracted course data into a Notion-style assignment and deadline tracker
- Built calendar sync that converts extracted deadlines into Google Calendar events, set as all-day or timed events depending on syllabus detail

Experience

Assistant Manager — 2023 – 2026
Amy Nail Salon & Spa — *Brampton, ON*

- Processed 50+ daily customer transactions through the salon's point-of-sale system, resolving service issues on the spot to maintain accuracy and customer satisfaction
- Built and managed the daily appointment schedule across 7 technicians (50-60 bookings/day), resolving conflicts and optimizing workload distribution
- Tracked and reconciled daily financial records – revenue, cash flow, and tip distribution – using spreadsheets

Owner & Baker — Jan. 2025 – June 2026
Sweets By Sean — *Brampton, ON*

- Founded and operated a home baking business, managing order intake and customer communication across social media and direct messages for dozens of clients
- Set pricing, tracked orders, and managed supply inventory using spreadsheets to control costs and minimize waste

Leadership & Activities

Robotics Team Captain — Sep. 2024 – June 2026
Louise Arbour Secondary School — *Brampton, ON*

- Led the design and construction of robots for three separate challenges at CETA, a local robotics competition
- Engineered a sumo robot, line-following robot, and soccer robot, each with unique mechanical and control requirements
- Placed 1st in the soccer challenge and 4th in the line-following challenge at the CETA competition
- Led and mentored a team of 15 robotics club members, teaching engineering design principles

Student Ambassador — June 2024 – June 2026
Louise Arbour Secondary School — *Brampton, ON*

- Led school tours and presented incoming students with academic and extracurricular opportunities
- Advised incoming students on career pathways and course options aligned with their interests and goals

Technical Skills & Other

Languages: Swift, Java, Python, C/C++, HTML/CSS
Technologies: SwiftUI, AppKit, XcodeGen, LLM APIs, Google Calendar API, Git
Skills: Data Analysis, Spreadsheets, POS Systems, Scheduling & Inventory Management, Electronics, Customer Service