

A.J. (Allan Jacob) Neufeld

Edmonton, AB · ajneufeld7@gmail.com · (780) 700-4349 · [LinkedIn](#) · [ajneufeld.ca](#)

PROJECTS

title — Student-Tutor Marketplace (Web & Mobile)

Fall 2025 · CMPT 496 · Team of 7

Frontend Developer · [title.ca](#) (offline) · React Native · Expo · React · HTML/CSS · TypeScript · Supabase · Sendbird · Stripe

- Designed and iterated the public-facing landing page over 6 weeks; explored four distinct visual directions before committing to a direction, with a dedicated pass to ensure the page worked for keyboard and screen reader users.
- Recovered a broken internal admin dashboard in 7 days before a graded presentation; restored database access, replaced placeholder data with live information from our database and payment system, and redesigned the interface to match the mobile app.
- Integrated Sign in with Apple authentication; connecting Apple's identity system to our backend so user accounts were created and managed securely on first sign-in.
- Delivered a calendar sync feature so students could add tutoring appointments directly to Apple Calendar or Google Calendar and handled platform differences between iOS and Android with separate flows for each.
- Engineered in-app support chat so users could reach an admin directly; built routing logic to distribute incoming requests across multiple available admins and resolved safe-area positioning so the button sat correctly above the navigation bar on both iOS and Android.
- Contributed to a 300+ page developer guide in Confluence; authored documentation for the landing page and admin portal independently and collaborated on numerous other sections across the broader team.
- [Featured by MacEwan University Faculty of Arts and Science.](#)

MentorMatch — Tutor Matching App

Winter 2025 · CMPT 395 · Team of 5

UI/UX Developer & QA · [Showcase Video](#) · Kotlin · Jetpack Compose · Firebase/Firestore

- Designed and built an animated navigation bar that changes colour per tab and adapts its options depending on whether the user is a student or tutor.
- Resolved cross-platform video playback inconsistencies across phones, tablets, portrait, and landscape orientations, ensuring a consistent experience on every supported device.
- Rebuilt the entire automated test suite from scratch after significant feature changes made the previous tests inaccurate; covered individual components, user flows, and end-to-end scenarios to ensure submission quality.
- Recovered the project from a critical version control error using git relog, preventing loss of several weeks of work during the final stretch of development.
- **Won 1st place at juried showcase**; selected to continue as Tutle in CMPT 496.

Magpie Books — Website Redesign

Fall 2025 · DESN 340 · Individual

UI/UX Designer & Web Developer · [Live Redesign](#) · HTML · CSS · JavaScript · Figma

- Identified that the store's existing website broke for screen reader users when JavaScript was slow or unavailable; rebuilt using a progressive enhancement approach so core content (browsing books, location, contact) remains accessible regardless, with enhanced interactivity layering on top.
- Restructured a confusing dual-navigation system into a single clear hierarchy, reducing cognitive load and eliminating conflicting signals for users navigating the site.
- Researched accessible typography options and selected Atkinson Hyperlegible, a font designed by the Braille Institute specifically for low vision readers, that also complemented the store's existing visual identity.
- Applied accessibility best practices throughout as an individual project, including proper image descriptions, keyboard navigation support, screen reader-friendly markup, and clear form labels
- Live pages: Homepage, Staff Picks, Accessibility, FAQ, and The Invisible Life of Addie LaRue. Remaining navigation links are placeholders.

myStudentSystem — UX Redesign

Winter 2024 · DESN 342 · Team of 3

UX Researcher & Designer · Figma · FigJam · User Research

- Led user research including conducting 3 surveys with MacEwan students to identify pain points and found that 83% felt overwhelmed navigating the portal and 50% had negative feelings about the enrollment process specifically.
- Conducted competitor analysis across multiple student portals; concluded the underlying system wasn't the problem. Refocused the redesign on consolidating redundant screens and repeated information rather than proposing a replacement.
- Simplified course enrollment from 20+ steps to a maximum of 3, reduced navigation from 8 tabs to 3 main sections, and introduced an accessible colour system to improve wayfinding.
- Validated the redesign through follow-up testing: enrollment satisfaction improved from 50% negative to 100% positive, and the percentage of students reporting feeling overwhelmed dropped from 83% to 0%.

EDUCATION

BSc Computer Science — MacEwan University

Expected January 2027

Specialization: System & Information Security · Minors: Digital Experience Design, Psychology

BA English Language & Literature — MacEwan University

November 2021

Minor: Spanish · Focus: linguistics, research, technical communication

TECHNICAL SKILLS

Frontend: HTML, CSS, JavaScript, TypeScript, React, React Native (Expo)

Mobile: Kotlin, Jetpack Compose, iOS provisioning, Android deployment

Backend & Data: Supabase (Edge Functions, Auth, DB), Firebase/Firestore, PostgreSQL, Microsoft SQL Server, SQL

Tools: Git/GitHub, Figma, GitHub Actions (CI/CD), Android Studio, Xcode, Bun, Claude Code, Cursor

Testing: Jest, JUnit, MockK

APIs: Sendbird, Stripe, Sign in with Apple / OAuth, iCal/webcal

Security: Authentication & Authorization, MFA, OAuth, Sign in with Apple

Other: Python, C, C#, Bash, Kali Linux, Wireshark · Spanish (intermediate)

EXPERIENCE & CERTIFICATIONS

Sales Clerk — Rexall Pharmacies Ltd.

August 2015 – Present

CompTIA A+

January 2023 – January 2029

club.eh — CTF & Security Club

BSides Calgary & Edmonton 2025, magpieCTF 2025