

Barjot Mundi

Edmonton, Alberta, Canada | barjotmundi@gmail.com | (780) 655-9390

SUMMARY

I am a Bachelor of Science student in Computing Science at the University of Alberta, ranked in the top 15% with a 3.8 GPA. Over 20 months of internships, I gained hands-on experience building full-stack applications for web and mobile, including frontend interfaces, backend services, and automated testing solutions. My projects showcase strong skills in software development, algorithms, and data processing, with a focus on practical and innovative solutions.

EDUCATION AND CERTIFICATIONS

- **B.Sc. in Computing Science**, University of Alberta *2021 – present*
- **Gaming Certification**, University of Alberta *2023 – present*
- **Certificate in Android App Development Master Course with Java**, Udemy *2023 – 2024*
- **Certificate in iOS & Swift – The Complete iOS App Development Bootcamp**, Udemy *2024*

EXPERIENCE

Software Development Intern – Full-Stack Android and iOS Development, Formidable Designs *May 2024 – Dec 2024*

- Developed and maintained full-stack mobile applications using Swift for iOS and React Native for Android, implementing real-time smart-lighting controls via MQTT and integrating with ASP.NET Core backend services.
- Contributed to end-to-end app release cycles, including App Store and Google Play submissions, approval, and deployment.
- Designed and executed automated Cypress and BrowserStack test suites, boosting release reliability and reducing manual QA.
- Collaborated with an external hardware partner to diagnose device-side issues, support firmware updates, and resolve integration bugs affecting lighting system performance.

Software Development Intern – Full-Stack Web Development, Formidable Designs *Jan 2025 – Aug 2025*

- Developed full-stack features for a certification-management web app, creating responsive frontend interfaces with Vue and backend services in ASP.NET Core, improving user workflow efficiency.
- Implemented secure data workflows, handled database operations, and integrated external APIs to support internal tooling.
- Expanded and maintained Cypress automated test coverage, creating reusable test utilities and improving regression detection.
- Participated in improving CI/CD pipelines to accelerate development and reduce deployment risks.

Software Engineering Intern, University of Alberta | Industry Partner: Nestuuty *Aug 2025 – Dec 2025*

- Built full-stack features for a product-tracking web application using Next.js and Spring Boot in an agile team environment.
- Implemented nightly web scraping and price aggregation from public retailer listings, configured automated email and SMS notifications, and containerized the application using Docker.
- Designed and executed automated QA strategies, including Cypress tests for the frontend and automated Spring Boot backend tests.
- Contributed to CI/CD pipelines by implementing automated checks to prevent build breaks and ensure consistent, reliable deployments in Linux-based environments.

PROJECTS

TheCertLocker — ASP.NET Core, C#, SQL, NPM, Vue, TypeScript, Python, JSReport, Tesseract

- Built as part of my internship at Formidable Designs, this certification management platform handles requirement definition, project and job creation, user eligibility checks, certificate uploads with OCR data extraction, validation, and final approval.
- Developed backend services using ASP.NET Core, C#, and SQL to handle CRUD operations and workflow logic, while building the frontend with Vue and TypeScript to manage jobs, worker eligibility, and approvals.
- Implemented clock-in and clock-out with location tracking and a multi-step verification process involving QR codes and coworker confirmation to prevent unauthorized check-ins.
- Generated detailed audit and compliance reports with JSReport and supported cross-platform mobile access via PWA Builder.

Allure Lighting — ASP.NET Core, C#, SQL, NPM, Swift, MQTT, React Native, TypeScript, Python, BrowserStack

- Developed native Android and iOS apps, available on both platforms, for real-time smart lighting control—including brightness, speed, patterns, and timers—with MQTT-based hardware communication.
- Built Swift and React Native UI components along with ASP.NET Core backend features, then enhanced and iterated on them post-release based on client feedback, new product requirements, and evolving firmware compatibility needs.
- Developed automated test scripts executed on multiple Android devices via BrowserStack, supporting full app release cycles.

...other mini projects: Event Management App, Heuristics, A*, Pac-Man game (Python/Pygame), and a custom arithmetic program (C).

CLUBS, AWARDS & SCHOLARSHIPS

Clubs/Extracurriculars: Student Team for Alberta Rocketry Research, Member of the prestigious Golden Key International Honour Society — reserved for the top 15% of high-achieving students university-wide, Programming & Calculus Tutor, Debate Team.

Awards: 8× Academic Honours with Distinction, 3× Dean's Excellence List, 2× Hackathon Winner, National Debate Winner

Scholarships: Alexander Rutherford by the Provincial Government, Dr. Ernest and Minnie Mehl Scholarship, Jason Lang Scholarship, Outstanding Academic History by the University of Alberta, Louise McKinney Post-secondary Scholarship (Totalling over \$15,000)

TECHNOLOGIES AND LANGUAGES

- Languages: C, C#, Python, Java, TypeScript, Swift, SQL, HTML, CSS.
- Technologies: Vue.js, React Native, ASP.NET Core, Next.js, PostgreSQL, MySQL, Nginx, Django, Spring Boot, Docker.
- Other: Data structures and algorithms, Developing Search AIs, Bayesian Networks, Neural Networks.