

Donald Scott Louden

📍 Calgary, AB ✉ scottlouden64@gmail.com ☎ (403) 805 5574 in [/scott-louden](#) GitHub [ScottLoud](#)

SKILLS

- **Languages:** English, French, Python, C++, C#, C, Java, Assembly, HTML/CSS, JavaScript/TypeScript, SQL, Go,
- **Frameworks:** React, React Native, .NET MAUI, Tailwind
- **Tools** Git/Github, Emacs, PowerShell, Cloud OS, Docker
- **Other:** Agile Development, Jira, Confluence

EDUCATION

Bachelor of Computer Science

Mount Royal University 3rd year | Expected Graduation May 2027

- Relevant Coursework: Foundations for Software Engineering(Agile), Introduction to Programming(Python), Intro Computer Science II(C++), Computing Machinery I(Assembly 68K), Computing Machinery II(C), Information Structures I(Java), Introduction to Databases (SQL), Human-Computer Interaction (UI/UX), Statistics

Software Development Diploma

SAIT 1 year | Transferred to Mount Royal to pursue degree

- Relevant Coursework: Introduction to Network Systems, Object Orientated programming 1 (Python), Object Orientated programming 2 (C#), Database Design and Programming (SQL), Software Testing and Deployment (Agile)

French Immersion Program K-12

- Fluent in both written and spoken French and English

PROFESSIONAL EXPERIENCE

Computer Science Educator, - Eureka learning center

March 2023 – November 2023

- Instructed 20+ students ages 11 – 18 on how to code in Python coding language
- Instructed 40+ students ages 8-11 coding and creating electronic circuits using Microbit
- Instructed 10+ students ages 6-8 on how to code in Scratch coding language

M&M Food Market, - Meal Advisor

November 2021 –Present

- Communicated with customers in a friendly and professional way
- Collaborated with team members to complete work efficiently and effectively
- Tackled problems using problem solving skills and logic

PROJECTS

Krumbz Recipe App

May 2024-Present

Skills: Typescript, React, React Native, Python, BeautifulSoup, Selenium, HTML, CSS, JavaScript, Go, PostgreSQL, Tailwind, CSS, HTML

- Designed an Algorithm to collect and standardize over 1000 recipes data from diverse natural language formats with success, trimming ingredient names and normalizing counts and units for efficient querying using **Python**
- Added **AI-assisted text processing** to improve natural language trimming during the web scraping pipeline, enhancing accuracy in ingredient normalization and unit standardization
- Organized and formatted recipe data into **JSON** for integration with a **PostgreSQL** database
- Developed backend components in **Go**, including defining the data models and implementing **HTTP REST API endpoints** for features such as user nutrient goals

- Used **HTML** skills paired with **React Native, CSS, Tailwind** to design and implement clickable Recipe cards as well as the following Recipe Page.
- Used **Confluence** and **Jira** to plan and keep track of current sprints progression and communicate effectively during Scrum