

Jacob Sehl

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Education

Dalhousie University – Bachelor of Computer Science

Oct 2024

- Completed a Minor in Mandarin Chinese to enhance cross-cultural communication skills and cultivate a global perspective.

Experience

Independent Contractor, Uber – Ottawa, ON

Jan 2024 – Present

- Balanced full-time driving with 10-15 hours/week of software engineering project work and technical skill development, demonstrating discipline, self-motivation and a commitment to continuous learning.
- Completed over 8600 rides with a 100% average approval rating, providing timely and professional service, demonstrating strong time management and communication skills.

Development Lead - ChemAr (Volunteer), Dalhousie Department of Chemistry – Halifax, NS

Sept 2023 – Dec 2023

- Led a team of 6 developers in building a 3D augmented reality chemical compound visualization tool, meeting 100% of sprint goals on time.
- Directed Agile ceremonies and code reviews, fostering collaboration and technical growth.
- Built strong client relationships, providing proactive updates and adapting deliverables to evolving requirements.
- Partnered with senior developers to review the legacy codebase, identifying weaknesses in the project architecture and proposing structural improvements reducing technical debt by ~40%.

Senior Developer - ChemAR (Volunteer), Dalhousie Department of Chemistry – Halifax, NS

Jan 2023 – Apr 2023

- Authored over 15 user stories and mentored 3 junior developers via pair-programming, improving team productivity.
- Developed an AR web app using Node.js and Three.js, allowing students real-time manipulation of 3D molecular structures on mobile devices.
- Researched and integrated the PubChem API (PUG REST), into our codebase, to automate fetching and rendering of molecular data into interactive 3D structures.

Control Associate - Seasonal, Bell – Mississauga, ON

May 2022 – Sep 2022

- Managed daily work orders for 150+ field technicians, ensuring timely service delivery and balanced workloads.
- Acted as a key liaison between technicians and management, resolving 12+ daily escalations.
- Collaborated with other control associates across departments to balance technician assignments, ensuring all service requests were staffed and workloads were evenly distributed.

Sales Representative, Cellcom – Ottawa, ON

Nov 2019 – May 2020

- Surpassed monthly sales targets by an average of 15%, ranking in the top 30% of reps for 5 consecutive months.
- Recommended tailored product solutions by maintaining in-depth knowledge of offerings.
- Sold and upsold mobile plans and accessories to over 500 clients, building long-term customer relationships.
- Maintained client relationships and sales by coordinating with Mobile Business sales reps, directing business clients to the appropriate team to match competitive offers and retain revenue.

Skills

Programming & Frameworks: JavaScript (Node.js, React), Java, SQL, Rust, HTML/CSS, Python, linux

Technical: Data Structures & Algorithms, Database Management (MySQL), UI/UX (Figma)

Tools & Practices: Git, CI/CD, Agile (Scrum, Kanban)

Languages: English (fluent), Mandarin Chinese (intermediate proficiency)