

Jacob Sehl

contact@jacobsehl.com | jacobsehl.com | github.com/Jacob-Sehl

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

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

Sept 2023 – Dec 2023

- Orchestrated the development of an augmented reality 3D chemical compound visualization tool, consistently achieving sprint goals.
- Directed an Agile team of senior and junior developers, 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 to resolve technical debt.

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

Jan 2023 – Apr 2023

- Authored user stories and mentored peers through pair-programming, improving team productivity.
- Implemented a responsive AR visualization tool using Node.js and Three.js, allowing students to view and manipulate 3D molecular structures on mobile devices.
- Researched and integrated the PubChem API: PUG REST, into our codebase, enabling the system to fetch molecular data from PubChem to render it as interactive 3D models using Three.js

Control Associate - Seasonal, Bell – Mississauga, ON

May 2022 – Sep 2022

- Managed technician database operations, ensuring timely service delivery and balanced workloads.
- Strengthened workplace efficiency by maintaining clear communication with staff and management.
- Communicated daily with field technicians and management to quickly address issues, minimizing service delays.
- 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

- Consistently exceeded monthly sales targets by an average of 15% through strong client relationship building.
- Recommended tailored product solutions by maintaining in-depth knowledge of offerings.
- Developed detailed customer records to support repeat sales and long-term retention.
- 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)