

# ROMAN SINKUS

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## EDUCATION:

### University of British Columbia

*Honours Computer Science, Minor in Data Science*

Sept. 2021 – Present

*Vancouver, BC*

- GPA: 4.26/4.33 (88.6%), Expected Graduation: December 2026

## EXPERIENCE:

### Co-Founder & CTO

*Olympus Analytics*

Aug. 2025 – Present

*Portland, OR*

- Architected and shipped a voice-to-voice AI sales-training platform powered by a retrieval-augmented LLM grounded in **14+** hours of course content, simulating live practice in pitching, closing, and objection handling
- Grew the product to **50+** paying users and generated **\$5,000** in revenue, owning the full technical roadmap including architecture, infrastructure, and customer-facing iteration end-to-end
- Built the full stack: Next.js/React on AWS Amplify, a FastHTML backend on AWS App Runner (via ECR) with CloudWatch monitoring, plus Ultravox for voice, OpenAI for language modeling, and Supabase for auth and data

### Software Engineer (Part time)

*UBC Computer Science*

July – Nov. 2025, May 2026 – Present

*Vancouver, BC*

- Designed and developed a full-stack application (React, Node.js, Tailwind CSS) to streamline midterm scheduling for the biochemistry and computer science departments
- Built a force-directed graph algorithm to balance instructor preferences and constraints, reducing exam conflicts

### Undergraduate Research Assistant / Software Engineer Intern

*Systopia Lab – UBC Computer Science*

May – Aug. 2025, May 2026 – Present

*Vancouver, BC*

- Developed an integrated robotics simulation environment using ROS 2, Gazebo, and MoveIt 2, enabling detection of **100%** of robot-robot collisions
- Automated system setup with Bash scripts based on user inputs, reducing configuration time by more than **10x**

### Software Engineer Intern (8 months)

*Thrive Health*

May 2024 – Dec. 2024

*Vancouver, BC*

- Hardened API security by migrating sensitive GET endpoints to POST, keeping credentials out of URLs and logs
- Reorganized regression testing plan by fixing and augmenting **10+** broken end-to-end Selenium tests saving the development team **15+** hours each 2-week sprint
- Spearheaded effort to achieve W3C WAI compliance for **100%** of React components in hospital screener application

### Software Engineer Intern (8 months)

*Evertz Microsystems*

Aug. 2023 – Apr. 2024

*Vancouver, BC*

- Decreased video decoding times by **10x** by enabling ffmpeg HEVC hardware acceleration using CUDA
- Extended and maintained Evertz's internal media-processing API in C++, validating requests and responses with Boost test suites

## PROJECTS:

### UBC Courses (ubc-courses.app)

*Next.js, React, TypeScript, PostgreSQL, Supabase, Drizzle ORM, Tailwind CSS, Vercel*

May 2026 – Present

- Built and deployed a full-stack course-review and document-sharing platform for UBC students
- Built a Cheerio scraper to ingest UBC course data into Supabase Postgres via Drizzle ORM, with magic-link auth

### Spotlight

*TypeScript, Python, React, Flask, OpenCV, Livepeer, PyTorch, Tailwind CSS*

Jan. 2025

- Awarded the “Aquareum.tv Sponsor Prize” at nwHacks 2025 for a real-time study-space availability platform
- Applied OpenCV to count occupants in live video, providing students with real-time feedback on study area capacity

## SKILLS:

**Languages:** JavaScript/TypeScript, CSS/HTML, Java, Python, C++, C, SQL, R, Bash, Dart, Assembly

**Frameworks:** React, Next.js, Node.js, Flask, FastHTML, Flutter, Tailwind CSS, ROS 2, PyTorch, Selenium

**Developer Tools:** Claude Code, Cursor, GitHub Copilot, Git, Docker, AWS, Vercel, Supabase, Jira, Vim