

# RYAN KIM

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## EDUCATION

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### University of British Columbia

*Bachelor of Applied Science / Computer Engineering*

*Vancouver, BC*

*May 2028*

- UBC Presidential Scholar; ECE Scholarship Recipient
- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Probability & Statistics

## WORK EXPERIENCE

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### Paladin Technologies

*Systems Engineering Intern*

*Vancouver, BC*

*May 2025 - Aug 2025*

- Engineered a Python ETL pipeline using pandas to ingest and process Google Earth Pro KMZ files, reducing data processing time by 1000x (hours to seconds) and championing adoption across engineering teams to improve data quality
- Redesigned vendor evaluation process into a structured decision matrix for 200+ platforms, standardizing technical criteria to accelerate sourcing decisions and support a 250+ site municipal surveillance upgrade

### UBC Sailbot

*Software Website Lead*

*Vancouver, BC*

*Jan 2025 - Present*

- Lead a 6-person interdisciplinary team, overseeing web development, product design, and cross-functional communication to deliver robust customer-facing features.
- Developed a custom AIS ship data pipeline, saving 25 thousand dollars annually by optimizing data acquisition and processing.

## PROJECTS

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*Rebase — AI-Native Resume Builder | React.js, Next.js, Supabase, Typst, Inngest, Redis*

*Dec 2025 - Present*

- Architected a credit-based billing system by mapping real token usage across multiple AI models to user-facing action costs, achieving 96% gross margin while supporting 20+ active users in private beta
- Built full-stack SaaS platform using React.js, Next.js, and Supabase (PostgreSQL) with third-party API integrations for Google Gemini, GPT-5, and Claude—implementing structured JSON outputs, per-model pricing multipliers, and tuned timeouts to eliminate response failures
- Developed an AI agent pipeline that autonomously selects and rewrites resume content based on job descriptions, reducing user editing time while maintaining ATS compatibility through a custom Typst PDF rendering engine

*UBC Workday to Calendar Utility | Python, React, TypeScript, Vercel, iCalendar API*

*May 2025 - May 2025*

- Built a full-stack web application using React, TypeScript, and Python to automate course schedule conversion to iCalendar format, saving users 15 minutes per task and scaling to 130+ users with 0% error rate
- Took end-to-end ownership of requirements, design, implementation, testing, and deployment on Vercel, validating product-market fit through organic growth to 100+ weekly active users via word-of-mouth alone

## SKILLS

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**Tools & Platforms:** React, Supabase, Figma, Git, MATLAB, Quartus

**AI & Data:** Generative AI Strategy, LLMs, Prompt Engineering, RAG, Computer Vision (OpenCV), SQL

**Coding Languages:** Python, C/C++, Java, HTML5, Verilog

**Product:** PRDs, Roadmapping, Stakeholder Management, User Research, Unit Economics, Competitive Analysis