IRENE CHEUNG

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SUMMARY

Motivated full stack software developer with expertise in the **MERN stack, Next.js, and TypeScript**. Proficient in **Python** for backend development and **AI Model integration**. An active learner dedicated to clean code and best practices, with proven ability to **collaborate effectively, communicate clearly**, and **solve complex problems** within a team.

TECHNICAL SKILLS

Programming Languages	JavaScript, Typescript, Python, SQL, Java, HTML, CSS
Frameworks and Libraries	React, Next.js, Node.js, Express.js, Tailwind CSS, Material-UI
Databases and Cloud Services	MongoDB, MySQL, Firebase, AWS (EC2, S3, DynamoDB, Lambda), GCP (Cloud function)
Tools/Other	Docker, Git, Postman, Figma, Agile, AI integration (Gemini API)

WORK EXPERIENCE

Junior Backend Developer | Shop This City   Apr 2025 – Oct 2025

- Architected and developed an **AI automation tool** to refine product data, improving admin workflow efficiency for a fashion PWA serving **90,000+ users** [Python, Gemini API, MySQL, Google Cloud Functions]
- **Saved significant admin hours** by automating product categorization, style tagging, color detection, title generation, brand labeling, and description cleaning for **50–500 products daily**
- Strengthened AI output reliability through refined prompt engineering and real-time Slack log integration
- Optimized **performance and cost efficiency** through async processing and token tracking
- Ensured **code quality** by developing **430+ pytest tests** and iterating based on business feedback in an Agile workflow

Junior Full Stack Developer | Shop This City   Apr 2024 – Dec 2024

- Engineered a **microservice** to process Google Analytics user activity data, enabling business to analyze strategic decisions and **track key performance indicators** [Node.js, Express.js, MongoDB, Typescript, Google Analytics]
- Developed REST APIs serving two internal services, streamlining data access and management
- Expanded project ownership by **building the frontend admin analytics interface**, creating an intuitive, filterable dashboard for admins to monitor product performance [React, Next.js, TypeScript, Material UI]
- Created core B2B ordering interfaces, including order summary and details pages, **streamlining transaction workflows** for wholesalers and retail partners [React, Next.js, TypeScript]
- **Promoted within five months** from intern to junior developer for delivering high-quality, impactful solutions

EDUCATION

Computer Systems Technology (CST), Cloud Computing specialization (GPA: 4.00/4.00)   Sep 2023 – Dec 2025
British Columbia Institute of Technology (BCIT)   Vancouver, BC

Bachelor of Science (B.Sc.) in Biochemistry with First Class Honours (GPA: 3.89/4.00)   Sep 2016 – Apr 2021
University of Calgary   Calgary, AB
Awards: NSERC Undergraduate Student Research Award, Undergraduate Research Symposium Honorable Mention

PROJECTS

Lead Frontend Developer | "Density Reporting Tool" | GitHub | Website   Aug 2025 – Present

- Lead front-end design and development of a React/TypeScript PWA, digitizing **civil engineering density workflows** and **improving data entry efficiency and accuracy** for field technicians and lab admins
- Build all core front-end features, including the job page, report page, density shot test page, photos page, and integration with Cloudinary for image storage
- Collaborate with a practicing civil engineer to refine workflows to ensure they **align with real-world field practices**

- Maintain code quality and consistency by incorporating Docker, ESLint, Prettier, Husky, and pre-commit hooks

Frontend Developer [Industrial Practicum] | Unbox   Apr 2025 – Dec 2025
- Modernize the user experience for **13,000+ users** by developing a responsive Progressive Web Application (PWA) for a South American logistics company in a team of five developers [React, Typescript, Tailwind CSS, Zustand]
- Develop core interfaces including Invoices, Settings, and Notifications, designed for managing **1,000+ invoices/payments daily**

Frontend Developer | "The Tasty Fork" | GitHub   Mar 2025
- Built a **full-stack restaurant web app** that allows customers to browse the menu, book reservations, add photo reviews, and submit contact forms [React, Node.js, AWS]
- Developed an AWS backend with DynamoDB, S3, and SNS for data, photo uploads, and notifications
- Designed and implemented RESTful APIs and state management while integrating core AWS cloud services

Full Stack Developer & Project Manager | "Näborly" | GitHub | Website | Figma   Oct 2023 – Dec 2023
- Collaborated in a team of three to build a **gamified web application** designed to help newcomers integrate into their communities [JavaScript, jQuery, HTML, CSS, Bootstrap, Firebase]
- Implemented core features including the landing page, user profile, quest list, review system, and bookmarking functionality and led the application layout design and UI using Figma wireframes
- Oversaw **project management** and **team coordination** under **Agile** practices to drive timely project delivery

LEADERSHIP AND VOLUNTEERING

Vice President of Outreach & Social Media Director | Women in Computing at BCIT | Website   May 2024 – Sep 2025
- Led **outreach initiatives** for a **150+ member student club**, connecting members with industry professionals through company tours and guest speaker events
- Served as a liaison between the Women in Computing club and corporate partners to promote collaboration and career development opportunities
- Strengthened **communication, leadership, and coordination skills** through hands-on outreach and industry engagement
- Represented the club in Link Magazine's Leadership issue, highlighting leadership and community engagement

President | Pre-Optometry Student's Association at University of Calgary   Sep 2018 – April 2021
- Led **community outreach initiatives**, including collecting and donating used glasses to support underserved communities
- Organized **events and panel discussions**, including **school visits** and **guest speaker sessions** with optometry professionals

Interests: Fostering cats, traveling, digital art, café hopping, yoga