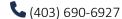
## IRENE CHEUNG



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### SUMMARY

Motivated BCIT Computer Systems Technology student with hands-on experience in full stack software development experience using React, Next.js, MongoDB, and Typescript. Strong foundation in programming and problem-solving, with a focus on writing clean, efficient, maintainable code. Able to adapt quickly to fast-paced environments and collaborate effectively in team settings. Core competencies include:

Collaboration and teamwork

Communication skills

Adaptability

Fast learner

Self-initiative

## TECHNICAL SKILLS

**Programming Languages** Frameworks and Libraries Typescript, JavaScript, Python, R, SQL, Java, C, HTML, CSS React, Node.js, Express, Next.js, Bootstrap, Material-UI

MongoDB, MySQL, Firebase

**Databases** Tools/Other

Git, GitHub, Docker, Figma, Jira, Postman, Agile/Scrum, Trello, Google Analytics

#### **WORK EXPERIENCE**

Junior Full Stack Developer | Shop This City | Website

April 2024 - Dec 2024

React, Next.js, Typescript, Material-UI, Node.js, MongoDB, Google Analytics, Fly.io, Postman, Figma, Agile

Remote

- Designed and implemented a back-end microservice using the Google Analytics API to track product performance metrics (e.g. sales, favourites), enabling data-driven decision-making and goal tracking
- Built a front-end admin analytics interface that utilizes data from the back-end microservice to create an intuitive, filterable interface for admins to monitor product performance
- Contributed to building the front-end wholesale application by developing key interfaces such as the order summary and order details page to streamline ordering processes between store partners and wholesalers

**Optometrist Assistant** | Wink Optometry and FYidoctors

- Collaborated effectively with an interdisciplinary team of up to eight staff members working alongside seven optometrists to deliver timely, efficient, and high-quality patient care
- Conducted patient intake and pre-testing procedures, ensuring clear and transparent communication to keep patients informed and comfortable throughout the entire eye exam

### **PROJECTS**

Front-End Developer | "Schedulize" - QDS Hackathon | GitHub | YouTube Node.js, JavaScript, MongoDB, HTML, CSS

Mar 2024

- Collaborated with a team of five to create a web application aimed at enhancing student well-being by generating personalized schedules that break large tasks into manageable segments
- Incorporated students' peak productivity times and prioritized tasks based on deadline proximity and importance
- Led the design and front-end development, creating a visual appealing and intuitive user interface to enhance user experience

**Software Developer** | "Save the Platypus" | GitHub

Mar 2024

Java, JavaFX

Developed a 2D game where players control a platypus to dodge enemy projectiles and increase difficulty by advancing levels

- Applied object-oriented programming (OOP) principles such as classes, inheritance, and encapsulation to design modular and reuseable game components, enhancing code readability and scalability
- Implemented dynamic gameplay mechanics such as random projectile generation and speed progression, to provide an engaging and challenging experience for players

Full Stack Developer and Team Lead | "Näborly" | GitHub | Website | Figma | Trello

Oct – Dec 2023

JavaScript, jQuery, HTML, CSS, Bootstrap, Firebase, Agile, Figma

- Collaborated with a team of two peers to build an application designed to help newcomers integrate into their communities through a game-like experience that encourages community exploration
- Developed key interfaces including the landing page, user profile, quest list, review system, and bookmarking functionality
- Delegated tasks and managed project progression to ensure timely completion of the project

# **Software Developer** | "Chocopass" | GitHub *Python*

Nov - Dec 2023

- Built a command-line, text-based game that features a grid-based environment where a player can move a character in four cardinal directions to accomplish an objective
- Created a comprehensive suite of 95-unit tests to ensure high standards of code quality
- Applied critical thinking skills to resolve unexpected issues through troubleshooting, debugging, and conducting thorough data analysis

Front-End Developer | "What's in Your Fridge?" | GitHub

Dec 2023

JavaScript, jQuery, HTML, CSS, Bootstrap, API integration, DOM manipulation

- Developed a web application integrated with the Spoonacular API that customizes recipes based on what is in users' fridges
- Implemented an ingredient-based recipe search and modal display of results

#### **EDUCATION**

#### Computer Systems Technology (CST), Cloud Computing option

Sept 2023 – Dec 2025 (Est)

Vancouver, BC

British Columbia Institute of Technology, GPA: 93% Key courses:

- Web development
- Object Oriented Programming
- Relational Database System

- Cloud computing
- Procedural Programming
- Mobile Development

Bachelor of Science Degree in Biochemistry (First Class Honours)

University of Calgary, GPA: 3.9/4.0

Sept 2016 – Apr 2021 Calgary, AB

#### EXTRACURRICULAR LEADERSHIP

**Vice President of Outreach and Social Media Director** | Women in Computing | Website British Columbia Institute of Technology

May 2024 – Present

- Organized and led a guest speaker event with an Amazon software engineer where he shared insights from his two years at Amazon to inspire and educate students about the tech industry
- Coordinated a company tour with SAP, facilitating valuable industry connections for BCIT students and providing first-hand exposure to real-world tech environments to support career development, attracting around 50 attendees

Club Co-President | Pre-Optometry Student's Association

Sept 2018 - April 2021

University of Calgary

- Partnered with Lion's club to collect and donate used glasses to support low-and middle-income communities worldwide
- Organized and facilitated an optometry school visit with SUNY Optometry and a student presentation with an attendance of 30 students