

JIN KIM

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Education

Simon Fraser University

Bachelor of Computer Science

Expected Graduation: Dec 2025

Burnaby, CA

Work Experience

Dialpad

Jan 2025 – Current

Software Engineer Intern

Vancouver, BC

- **Identified and resolved 2 early-stage bugs** and reduced QA dependency by integrating libcurl into the VoIP library using Gradle, Git patches, and Autoconf, enabling HTTP-based inbound call simulation across iOS, Android, and Linux
- Diagnosed and resolved iOS simulator build failures caused by VoIP library incompatibility with external libraries, **enabling automated command-line testing and restoring unit test functionality**
- Standardized cross-platform debugging by synchronizing time metrics at the C++ library level, **resolving inconsistent log timestamps on iOS and Android**
- Streamlined developer onboarding by resolving Docker environment issues and updating setup documentation, **reducing setup time from 7 days to 2**

Computrol Systems

Jan 2024 – Dec 2024

Junior Developer Intern

Burnaby, BC

- Integrated hardware terminals by implementing a Qt C++ firmware update and developing a full-stack PHP web interface, **improving accessibility and usability for end users**
- Achieved **2-hour daily engineering time savings by implementing CI/CD pipelines**, automated deployment scripts, database backups, and terminal setup tools using Azure Pipelines, C#, and shell scripting, accelerating and stabilizing client onboarding
- **Reduced customer support time by 30 minutes per case** by creating a simplified configuration and installation tool and debugging legacy VB6 code, decreasing support tickets and accelerating issue resolution

Intersystem Controls

Jan 2023 – Sep 2023

Full-stack Developer Intern

Vancouver, BC

- Implemented an automated license key generation microservice using PHP, Node.js, Firebase, and AWS, **saving 50 hours of manual work per month and lightening internal support load**
- Enabled real-time inventory visibility by building a cross-platform stock management system with TypeScript, Google Sheets, and AppSheet, **saving 1 hour daily and improving tracking accuracy**
- Modernized a legacy system by developing a scalable React application, **doubling development speed and enhancing the user experience** for both customers and internal teams

Projects

ERP and Defect Detection System for Manufacturing

React | AWS | PyTorch

- **Partnered with a real-world manufacturing client on an outsourced deployment**, integrating AI-based defect recognition and customizing the system for factory-wide adoption with actionable insights
- Built and deployed a web app using React, Raspberry Pi, PyTorch, and Docker, migrating from AWS Lambda to AWS EC2 to enable real-time quality control and **reduce infrastructure costs by 90%**

Leadership

Photobyme | Website | Instagram | Google Map

May 2022 – Current

Founder

Vancouver, BC

- **Identified a market problem in access to affordable photography services** and launched Photobyme, building a fully automated business generating thousands in monthly sales and serving hundreds of customers
- **Improved website performance by 30%** through image optimization and lazy loading, and **reduced manual support time by 30 minutes daily** by developing an admin dashboard and ChatGPT-powered chatbot

Technical Skills

Languages: Typescript, JavaScript, C++, Python, Java, SQL, HTML5, CSS,

Developer Tools: AWS, Postman, Git, Azure, Docker, Jira, Colima

Libraries/Frameworks: Node, ReactJS, PostgreSQL, PyTorch