

JACKIE MA

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EXPERIENCE

Full-Stack Developer <i>TeraDrive</i>	Sep 2023 – Dec 2023 Burnaby, BC
<ul style="list-style-type: none">Designed and developed a full-stack web-based case tracking system using Monday.com API, streamlining case management and improving team collaboration by consolidating data to a single platformCreated and implemented a PostgreSQL database to migrate all data from Monday.com, ensuring seamless data transition and enhancing data management flexibility for future scalabilityDeveloped intuitive features to allow users to perform CRUD operations on the PostgreSQL database, streamlining data management and improving overall user efficiencyEstimated annual labour savings of over \$13,000 by reducing daily workload by ten minutes per employee for a team of ten at \$30/hour	
Software Developer <i>MealPlanIQ</i>	Apr 2023 – May 2023 Burnaby, BC

Software Developer
MealPlanIQ

- Developed a feature-rich web application to generate customized meal plans, significantly improving user engagement and satisfaction by offering tailored solutions
- Implemented personalized meal plans that integrated BMI and dietary restrictions, leading to more relevant meal recommendations and improved user experience
- Hosted web application and database on Google Cloud Platform, ensuring seamless scalability and minimal downtime for uninterrupted access

Junior Technician
Bingham + Hill Architects

Sep 2021 – Dec 2021
Vancouver, BC

- Collaborated with architects and engineers to interpret and implement drawing revisions, ensuring design changes were accurately reflected in final project plans
- Conducted detailed reviews and analyses of project specifications to confirm accuracy and alignment with the design intent, facilitating smooth project execution and reducing errors in construction documentation

PROJECTS

PromptVisioQuiz <i>Node.js, Express.js, JWT, Python, Flask, PostgreSQL, stable-diffusion</i>	Nov 2023 – Dec 2023
<ul style="list-style-type: none">Engineered a distributed computing system for password hash recovery, dividing search space across networked workers and implementing automatic work reassignment to handle worker failures and timeoutsDesigned a robust checkpoint system with granular progress tracking, enabling resume-from-failure capabilities and real-time monitoring of distributed worker status across the network	
DistributedHashRecovery <i>Python, Sockets, Distributed Systems, Cryptography</i>	Nov 2025 – Dec 2025

PromptVisioQuiz | *Node.js, Express.js, JWT, Python, Flask, PostgreSQL, stable-diffusion*

- Engineered a distributed computing system for password hash recovery, dividing search space across networked workers and implementing automatic work reassignment to handle worker failures and timeouts
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DistributedHashRecovery | *Python, Sockets, Distributed Systems, Cryptography*

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C#, SQL
Frameworks: .NET, Node.js*, Express.js, Flask, React
Databases: PostgreSQL, MySQL, MariaDB, SQLite, Firebase

EDUCATION

Bachelor of Science in Applied Computer Science <i>British Columbia Institute of Technology</i>	Sep 2024 – May 2026 Burnaby, BC
Diploma in Computer Systems Technology <i>British Columbia Institute of Technology</i>	Jan 2022 – Dec 2023 Burnaby, BC