

Jason Ramos

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Education

The University of British Columbia

B.S. in Computer Science, Dean's List, GPA: 4.33/4.0

Aug 2021 – June 2024

De La Salle Lipa

Full Scholar, Dean's List, Top 1 in Computer Science & Top 12 Overall

Aug 2020 – Aug 2021

Experience

Full Stack Developer

Omica Marketing Corporation

June 2023 – July 2024

- Developed an all-in-one e-commerce and business management solution using NextJS, PrismaORM, and Postgres
- Streamlined payment processes by 65% integrating employees directly into business tasks
- Improved delivery time by 30% by combining purchasing, processing, and shipping processes all into a single simplified workflow
- Expanded inventory through a multi-warehouse system integrated with suppliers
- Developed 300+ automated tests with 100% code coverage for core database actions using Jest, Mocha, Chai, and Cypress

Software & AI Developer

University Of British Columbia - Directed Studies

Aug 2023 – Dec 2023

- Published a research paper on using NLP and RAG models to integrate domain-specific knowledge across up to 12 conversational models including GPT 4.0, Llama3, and Gemini Ultra
- Added AI middleware to detect redundant or similar questions increasing response time by up to 80% and reducing cost by up to 90%
- Created interfaces using NextJS to allow students to converse with the chatbot and instructors to manage document resources and approve chatbot responses
- Improved answer accuracy by 320% on domain-specific queries compared to ChatGPT

Full Stack Developer

University Of British Columbia - Capstone

April 2023 – Aug 2023

- Contributed to an AI-powered gamified learning platform using React, Express, Node, and SQL
- Implemented 300+ E2E tests using Selenium and integrated them into our continuous integration system powered by GitHub Actions
- Developed an IDE featuring saving, multiple languages, and AI question-generation capabilities
- Resolved 150+ issues, authored 75+ pull requests, and reviewed 50+ pull requests
- Designed an integrated help system overlay to reduce help pages and indicators by 85%
- Led the front-end development team to complete the full implementation before the halfway mark of the course resulting in a 35% more optimized build by full deployment

Full Stack Developer

Comer Formworks & Tonaeki Formworks

June 2021 – Jan 2022

- Developed & designed 2 full product showcase websites from ideation to maintenance using vanilla JS, HTML, and CSS
- Coordinated with board members to identify and refine project requirements

Technical Skills

Languages: JavaScript, TypeScript, HTML, CSS, SQL, NoSQL, C#, C++, Python, Java, and R

Tools: NextJS, React, Vercel, Docker, AWS, Azure, Node.js, GitHub, LangChain, and Firebase

Testing: JUnit, Jest, Mocha, Chai, Cypress, Selenium, GitHub Actions, Postman, and Insomnia

General: Agile Development, REST API, Object-Oriented Design, Database Design, and MVC Model