

Conrad Mo

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EDUCATION

University of Toronto

Honours Bachelor of Science, Computer Science Specialist (Co-op)

Toronto, Ontario

Sep. 2022 – Apr 2026

TECHNICAL SKILLS

Languages: Dart, Java, C, Python, Bash, HTML, CSS, Javascript/Typescript, Rust, Yaml, JSON, SQL

Technologies: Flutter, React, React Native, Node.js, Riverpod, Fast-API, Flask, Redux, PostgreSQL, NestJS, Prisma

Tools: Git, Docker, Linux, GCP, Azure, AWS, Postman, Firebase, Github, JUnit, Mockito, Android Studio, Jira

EXPERIENCE

Software Engineer

January 2024 – April 2024

Northern Labs

Remote

- Developed frontend of a proprietary cryptocurrency payment system on the blockchain, leveraging ReactJS and Typescript technologies.
- Collaborated with two interns to build backend components using NestJS, incorporating a PostgreSQL database to store user data.
- Implemented Docker for deploying a containerized embedded web application into a production environment.
- Enforced linting rules and implemented security measures for React frontend, ensuring web app performance and thwarting potential security threats.

Director of Social Media

September 2023 – Present

UTSC Women in Computer Science, Statistics & Mathematics Club

Scarborough, ON

- Propelled widespread awareness of the pervasive gender disparity within STEM-related domains.
- Collaborated seamlessly with diverse groups to significantly amplify awareness of our cause, simultaneously extending this impact to other clubs.
- Partnered with peers to spearhead the creation of an impactful React workshop, aimed at enriching the knowledge of React among fellow university students.

PROJECTS

SpeechSummarizer | *Dart, Flutter, NodeJS, GCP, Cohere API* 🗣️

August 2023

- Oversaw a 3-member team in developing the award-winning mobile app, recognized as the Best Mobile Hack at Ignition Hacks 2023, which efficiently condenses lengthy meetings into concise minutes.
- Employed Flutter to meticulously craft the frontend of our hackathon project, guaranteeing a polished and highly responsive user interface.
- Applied Dart for HTTP requests, converting files into audio and seamlessly uploading them to Google Cloud bucket storage, in collaboration with a NodeJS backend for concise content summaries.

Personal Portfolio | *HTML, CSS, Typescript, React, Vercel* 🌐 🗄️

September 2023

- Engineered a dynamic website using React and Typescript, seamlessly integrated within the Next.js framework to ensure robust functionality and scalability.
- Elevated the aesthetics and user experience of the website by skillfully applying TailwindCSS, not only for styling but also for achieving a flawless, responsive design that adapts effortlessly to various screen sizes.
- Enhanced user engagement and interactivity by expertly integrating Framer Motion to animate page elements, delivering a refined and captivating user experience.

Eventful | *Javascript, React Native, Rust, Docker, AWS, Github Actions, OpenAI API* 🗣️

October 2023

- Guided a team of three close collaborators in conceiving, designing, and engineering a mobile application that autonomously generates event items and efficiently tailors costs to accommodate users' budget constraints.
- Secured 14th position among 80 participating teams in Hack the Valley 8.
- Designed and built the React Native frontend for the app, ensuring an intuitive user interface.
- Leveraged Rust to construct the backend and harnessed GitHub Actions for the automated creation of Docker images, followed by seamless deployment on AWS, optimizing the development and deployment pipeline.
- Revolutionized the backend by implementing concurrency, resulting in a remarkable 92% surge in backend performance, greatly enhancing the application's overall efficiency and responsiveness.