

Edmond Zhang

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Technical Skills

Programming Languages: C/C++, Python, JavaScript, R, SQL, HTML/CSS, Solidity, MIPS

Technologies: MongoDB, Express.js, React.js, Node.js, Angular.js, Linux, Git

Education

The University of Waterloo and Wilfrid Laurier University

Sep 2019 - Present

BCS/BBA B. Computer Science and B. Business Administration (Double Degree)

Waterloo, ON

- **Relevant Courses:** Data Structures, Functional Programs, Algorithm Design, Object-Oriented Programming, Sequential Programs, Computer Organization and Architecture, Logic and Computation
- **GPA:** 3.7/4.0

Work Experience

Jr. Full Stack Developer | Toronto, ON, Canada

May 2022- Present

Blockchain Foundry

- Created an intuitive and responsive experience for 1000+ users by optimizing Metacademy's frontend features
- Reduced gas consumption by 20% by minimizing on-chain data and leveraging libraries for smart contract code
- Generated data for 1000+ users and badges by creating a Google Studio connector dashboard for Metacademy

Technology Consultant Intern | Toronto, ON, Canada

Jan 2022 - Apr 2022

Creospark

- Decreased client's new hire response time by 30% by implementing an onboarding bot adaptive card with React
- Displayed real-time catering info for 50+ users by implementing a lunch menu adaptive card using React
- Increased data migration efficiency by over 40% for 300+ users through process automation using C++

Software Developer Intern | Toronto, ON, Canada

Jan 2021 - Apr 2021

Kinderdrop Inc.

- Improved transparency for HR by developing a full-stack web application that documented daily intern work logs
- Optimized app experience for 100+ users by conducting E2E/regression testing and resolving 30+ tickets
- Improved reusability and efficiency for future interns by creating/refactoring 12+ C++ template code module

Projects

WLP4 Compiler | C++, MIPS

2022

- Wrote a compiler in C++ for [WLP4](#) (C-like language), supporting variable arithmetic and array manipulation
- Fully developed tools for lexical, syntactical, and semantic analysis to output MIPS assembly code
- Incorporated OOP principles such as MVC, encapsulation, abstraction, decorator, and observer design pattern

CryptoHub | JavaScript, CSS, React, REST, CoinGecko API, Alpha Vantage API

2021

- Constructed an app that provides real-time crypto prices, conversions, and news with requests to APIs
- Leveraged React-router and React hooks to facilitate conditional client-side rendering

EZ Split | JavaScript, Node.js, Express.js, MySQL

2020

- Developed a web application that helps the user add, track, and filter ongoing debts with friends
- Used Axios to make HTTP requests to query MySQL and perform CRUD operations