

Kathryn Lepine

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PROJECTS

FULL STACK WEB APPLICATION

Sept 2022 – Dec 2022

- Design and develop a web application to coordinate anonymous gift swap exchanges including functionalities of user authentication, anonymous messaging, custom profile, custom wish list, and group creation
- Mobile first development using technologies **JavaScript, HTML, Git, CSS, Bootstrap, MongoDB, Express, NodeJS, Socket.IO**

FRONT END WEB APPLICATION

Sept 202 – Dec 2022

- Design and implement a web application for professor's to synchronously push notes to students during a lecture, each student retains an individual copy they can edit freely while continuously receiving professors updated notes
- Development using **JavaScript, HTML, CSS, Socket.IO**

WORK EXPERIENCE

BDO CANADA LLP

Cloud Operation Specialist

May 2022 – Present | Calgary, AB

- Understand business needs of clients and provide **expert cloud computing solutions** to improve each client's business performance, driving \$10 million in revenue each year
- Design and develop individualized client custom email marketing campaign using **Python** for over 200 clients

UNIVERSITY OF CALGARY

Blockchain Research Assistant

Jan 2022 – Dec 2022 | Calgary, AB

- Analyze blockchain data from third-party API provider (Covalent) through **Julia DataFrames** to find trends and anomalies in expected financial data
- Use **GraphQL** queries and **API** calls to validate the finances of DeFi protocols
- Research over **300 DeFi applications** through whitepapers, open-source code, developer documentation, and protocol websites to create a financial model

TC ENERGY CORPORATION

I.S. Business Analyst Co-op

Jan 2021 – Aug 2021 | Calgary, AB

- Provide complete technical support for over 500 **SAP** related tickets using the **ServiceNow** ticketing platform
- Design and implement an **organizational change management** strategy to deploy a new device and application to over 1000 employees

CREW ENERGY

Finance Summer Student

Jun 2020 – Sept 2020 | Calgary, AB

- Calculate the expected price of natural-gas products based upon chemical analysis and West Texas Intermediate (WTI) price
- Calculate and provide payment of royalties to over 50 landowners each month

EDUCATION

UNIVERSITY OF CALGARY

B.Sc Computer Science

Dec 2022 | GPA: 3.8/4.0

UNIVERSITY OF CALGARY

B.Com Finance

Dec 2022 | GPA: 3.8/4.0

SKILLS

BACK END

Python | Java | Express | NodeJS
| C++ | Julia | Socket.IO

FRONT END

JavaScript | Bootstrap | HTML |
CSS

APPLICATIONS

Microsoft Office Suite |
PowerBI | SAP | Figma |
Workday

SOFT SKILLS

Goal Oriented | Team Player |
Effective Communicator

CERTIFICATIONS

[AZ-900](#): Microsoft Azure
Fundamentals

COURSEWORK

Data Structures and Algorithms |
Data Engineering | Decentralized
Finance | Blockchain | Web
Design | Software Project
Management

INTERESTS

Hiking | Running | Weightlifting
| Nail Art | Curling