

William Zijie Zhang

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EDUCATION

Concordia University

Bachelor of Computer Science Honours, Minor in Mathematics and Statistics

Montreal, Canada

Sept. 2020 – May. 2024

University of Manchester

Student Exchange Program

Manchester, United Kingdom

Jan. 2023 – June. 2023

EXPERIENCE

Open Source Developer

Google Summer of Code - CVXPY

June 2023 – Nov. 2023

Remote

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Solution Associate

Deloitte - Omnia AI - Data Modernization and Analytics

May 2022 – Aug. 2022

Montreal, Canada

- Analyzed papers on Cosine Similarity, Job Searching and Resume Parsing to provide meaningful insights
- Defined use cases for the client: Migration from on-premise to cloud and improvement of a job matching pipeline
- Produced summary of reports from Gartner Magic Quadrant and Critical Capabilities
- Evaluated pros and cons of competing software in the market

Junior Software Developer

SunLife Financial

Sept. 2021 – Dec. 2021

Montreal, Canada

- Developed features and fixed bugs of an internal software using Visual Studio and C#
- Implemented Automated Unit Tests to increase efficiency, reduce mistakes and improve readability of our software
- Documented the major steps of the software and mapped them to their respective log entries

PROJECTS

MoreGlean | *React, Next.js, Typescript, Firebase*

Nov. 2022 – Nov. 2022

- Implemented Google OAuth using Firebase SDK and the Google Cloud suite
- Developed login and food bank pages along with capturing requests into the database
- Presented the project during a Morgan Stanley and Earth Day Canada hackaton

Bibliomathica | *Django, React, MongoDB, GitHub Actions*

July 2022 – Aug. 2022

- Implemented MVC architecture with Django views, templates and url design
- Managed incoming data with queryset, models and forms
- Configured GitHub actions for continuous integration and development
- Developed a serializer to convert model objects into JSON objects

PRESENTATIONS

Convex Programming with CVXPY

Manchester Interdisciplinary Mathematics Undergraduate Conference

Manchester, United Kingdom

Mar. 2023

TECHNICAL SKILLS

Certifications: Databricks Data Engineering Associate, Microsoft Azure Fundamentals

Languages: Python, C/C++, SQL (Postgres), JavaScript, Java

Frameworks: PySpark, Django, React, Pandas, CVXPY

Developer Tools: Git, Docker, MongoDB, Microsoft Azure, VS Code, Databricks