Jianxin You

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EDUCATION

University of Montréal   Montréal, Canada
Bs in Computer Science, GPA 3.8   Sep 2021 – Aug 2023
Outstanding performance in courses : Algorithm, Data structure, Software engineering, Programming, Theoretical computer science. Machine learning fundamentals, Artificiall intelligence, Computer architecture, Software analysis, Web development, etc…
Honors: Awarded the Outstanding Scholarship 2023 for exceptional academic performance.

University of Montréal   Montréal, Canada
Bs in Mathematics and Economics, GPA 3.7   Sep 2019 – Aug 2021
75 out of 90 credits completed, unfinished

SKILLS

Programming Languages :, C++, Python, Java, C, C#, JavaScript, Html , Php, Typescript, Sql
Framework and Modulos : Laravel, Spring, Django, Vue.js, React, MangoDB, .Net, Jira, Docker, Git, Transformer, Node.js
Languages : French(Advanced), English(Advanced), Mandarin(Native)

PROFESSIONAL EXPERIENCE

Mcgill CaTS Lab
Research Assistant (Software development)   Montréal, Canada
JavaScript, TypeScript, React, Python, IOS development, Sql   Oct 2023 – Now
- Developed and deployed an iPad application designed to streamline the process of filling out forms and automating the transfer of form data to database, saving approximately 3 hours per participant in data processing time.
- Handled the automation of data processes, including gathering, cleaning, and transferring data, to improve efficiency.

Mona
Back-end developer intern   Montréal, Canada
Php, Laravel, Docker, Git, Mysql, Vue.js, Javascript   Mai – Aug 2023
- Develop different API interfaces for the client side and the admin side, such as APIs for changing passwords and adding management of artists, management of artworks, etc...
- Led database integration and management initiatives, developed observer system for real-time database update monitoring, engineered a command-driven data import system, reducing manual data entry efforts by 80%, etc...
- Effectively communicate with Android and iOS developers and promptly meet their needs, such as making adjustments to standardize the JSON data returned by API, helping them fix bugs etc...

University of Montréal   Montréal, Canada
Research assistant   Jul - Aug 2022
- GEN is a Groupoid Generation problem, our interest is focused on finding a nonexpoentiel lower bound of the size of branching program solving this problem, which can lead to conclude if $P = L$.
- Read about three papers weekly, provide a summary at the end of each week, initiate from the perspective of mathematicalproof and attempt to make breakthroughs in problem-solving.

PROJECT EXPERIENCE

Ticket Reservation System, University of Montréal   Jan – Apr 2023
- Implemented a booking system for plane tickets, train tickets, and boat tickets, Customers have the capability to browse, purchase, and exchange tickets, while the System manages the listings, pricing, and organization of a wide range of tickets.
- Applied about ten different design patterns to realize this project, including the Visitor, Command, and Constructor patterns, amongst others.
- Strictly applying the SOLID principles in software modeling, on average, has improved the efficiency of adding features to the software by 30 percent.

Software Storefront, University of Montréal   Jan – Apr 2023
- Utilized Django REST framework to build robust and efficient RESTful APIs. Implemented token-based authentication using JSON Web Tokens (JWT) to secure the API.
- Handled different CRUD operations, also utilized complex SQL queries and database optimization techniques to improve the performance of the MySQL database and ensure efficient data management.
- Utilized Docker to containerize and deploy software applications, improving scalability and reducing downtime.

Text readability recognizer, University of Montréal   Sep – Dec 2021
- Utilized BERT-based models from Transformer and Torch to classify and rate the complexity of reading passages and compared the performance of different models on a training dataset.
- Cleaned the raw data into dataset using Pandas applying different strategy, such as replacing NaN value by the value predicted by a KNN model, or mean / mode, choose the best one by a simple classification task.