Yi Liu

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SUMMARY OF QUALIFICATIONS

- A **Data-driven, Detail-oriented, Multitasking** Computer Science graduate with **3 years' experience in data** processing and analytics, coupled with a strong foundation in software design and development.
- Demonstrated ability to work collaboratively in cross-functional teams and effectively communicate technical concepts to stakeholders, now seeking an entry-level software engineering position to leverage advanced programming skills and experience to design, develop, and test innovative software solutions that solve complex business problems.

TECHNICAL SKILLS

√ **Programing languages:** Python, C++, C#, C, JavaScript, CSS, HTML, Oracle SQL.
√ **Tech stacks:** Vue.js, React.js, Express.js, MongoDB, SQL, Power BI, Microsoft Access, Tableau.
√ **Professional Skills:** Software debugging, Technical writing, Language interpreter, Wireless Communication, Network and Security, IT Troubleshooting, Data Science, Project management. Bilingual in English and Mandarin.

EDUCATION

- **Diploma in Computer Programming (GPA:4.0)** — January 2022 - April 2023
  Seneca College - Dean's Honour List 2022, 2023 — *Toronto, ON*
- **Bachelor of Science in Chemistry** — September 2014 – June 2018
  Western University — *London, ON*
- **Google Data Analytics Professional Certificate** — June 2021 - October 2021

PROFESSIONAL EXPERIENCE

Academic Quality Manager — July 2020 - Present
Oneclass — *Toronto, ON*

- Led the development of comprehensive, analytics-backed monthly reports to monitor and evaluate the performance of a team of over 60+ remote educators across various time zones. Utilized Tableau dashboard to display their key performance indicators, resulting in a 17% boost in team efficiency since employment.
- Collaborated with cross-functional teams to establish the parameters and goals for new projects related to academic assistance and formulated budgets based on the projects' scope and resource needs.
- Managed the hiring and training process of new educators for STEM subjects, including the development of training materials, interviewing candidates, and coordinating with HR to ensure a seamless hiring process.

Operation Specialist — June 2019 - July 2020
Oneclass — *Toronto, ON*

- Utilized analytic tools such as Excel, SQL, and Tableau to conduct comprehensive assessments of the user experience across various channels, including the company website, social media platforms, and customer feedback.
- Synthesized and evaluated data related to student and tutor performance, identifying areas for improvement and collaborating with the marketing team to enhance the quality of services.
- Provided insights and guidance on implementing appropriate solutions to enhance the user experience, utilizing a data-driven approach to inform decision-making.

ACADEMIC PROJECTS

ArtExplore - A User-Friendly Platform for Exploring the Met's Collection

- Designed and developed a user-friendly web application that allows users to search and explore art collections, with the option to create personal accounts to save browsing history. Utilized Next.js, MongoDB, JWT, and Jotai technologies for a seamless and interactive browsing experience.

PicBlog - Web application that provides users with a feature-rich platform to upload, manage, and optimize their pictures

- Designed and developed a feature-rich web application that empowers users to create accounts, upload and manage pictures, and optimize storage space. Built on a solid backend using Node.js, PostgreSQL, MongoDB, Bcryptjs, and Cloudinary technologies for enhanced security and scalability.