Jingxuan(Alexina) Chang

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Education

Ontario College Diploma, [Computer Programming](#) (GPA 3.98)   Sep. 2022 – Sep. 2024

Algonquin College   Ottawa, Canada

Bachelor of Arts, English Language and Literature   Sep. 2010 – Jun. 2014

Sun Yat-sen University   Guangzhou, China

- Participated in an exchange program, traveled to Portugal, and completed a Concentration in English Literature from *University of Lisbon* between 2013 and 2014.

Program-Related Skills | [Portfolio/Academic Projects](#)

Programming Languages: JavaScript, TypeScript, Java, Python, SQL, C, HTML, CSS, PHP, EJS

Frameworks & Libraries: React, Next.js, Node.js, Express.js, Recharts, TanStack, Drizzle ORM, Cypress, Vitest

Object-Oriented Programming, RESTful API building, MERN stack, End-to-End Testing, Web Development, Mobile App Development

Database Management: MySQL, Access, Microsoft SQL Server, PostgreSQL, Oracle, MongoDB

Soft Skills:

- Excellent communication skills, successfully motivated teammates to achieve common goals.

- Strong interpersonal skills: maintained a positive and productive atmosphere, adept at mediating conflicts and resolving disagreements among team members.

- Proven ability to learn quickly, adapting to new challenges and technologies with passion.

Work Experience

Full-stack Software Developer (co-op)

Giatec Scientific Inc. | Ottawa   Sept.2023 - April.2024

- Worked in [SmartMix](#) team to build a personalized, AI-powered, centralized data management platform for clients in concrete industry.

- Frontend: worked with React, Redux, JavaScript, TypeScript and followed MVP design pattern to build reusable components and interactive features, such as data analysis graphs, data display charts and tables, and real-time validation.

- Backend: created new API endpoints to support frontend feature. Refactor database schemas. Implemented data security improvements such as user password encryption, username case-sensitivity refactoring, and backend data/schema validation.

- QA/Testing: implemented comprehensive testing strategies, including end-to-end tests using Cypress and unit tests with Vitest, Chai & Mocha, ensuring code quality and functionality.

- Bug fixing: resolved frontend and backend bugs efficiently on a daily bases, worked on hot fixes regularly before release, contributing to the overall stability of the software.

- Project management: actively participated in daily scrum meetings, story refinement, and retrospectives. Led retrospectives, and regularly showcased feature improvements in bi-weekly team demos. Collaborated with product managers to seek stakeholder feedback, and ensure alignment between development efforts and business object.

Sales Associate

H&M | Ottawa   May.2024 – present

- Ranked among the top three salespeople for membership acquisitions in June and July. Processed payments, handled returns, exchanges and customer complaints with professionalism.

- Provided excellent customer service on the floor and in the fitting room by assisting customers with product selection and answering questions.

- Collaborated with team members to achieve sales targets and contribute to a positive and productive work environment.

Teacher

Shinyway Education | Guangzhou   2020 – 2022

Puxin Education & Technology Group | Guangzhou   2018 – 2020

- Developed and delivered customized IELTS preparation course, incorporating the latest best practices and methodologies to ensure the effectiveness and relevance of course materials.

- Created and implemented individual study plans for more than 100 students. Conducted ongoing assessments of student progress.

- Maintained open communication with parents to ensure overall satisfaction.

Assistant to the CEO/Product Owner

Guangzhou Beiliao Information Science & Technology Co., Ltd | Guangzhou   2016 – 2018

- Conducted research on industry trends and competitor analysis, compiling reports and presenting findings to the CEO to inform decision-making.

- Followed through special projects, monitored progress, and managed documentations.

- Communicated with clients and developers, responding to inquiries, scheduling meetings, and ensuring timely resolution of any issues.

Certifications/Training

- Java Programming I & II, University of Helsinki, expect completion date Jun 2023

- CS50, Certificate of Completion, Harvard University, August 2022

- Responsive Web Design Developer Certification, freeCodeCamp.org, April 2022

- The Complete 2022 Web Development Bootcamp, Certificate of Completion, Udemy, March 2022