Yifei Xiao

Software Engineer • Vancouver, British Columbia, Canada

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Skills

Languages: TypeScript, JavaScript, Python, Java, C++, SQL, LookML, HTML/CSS, Latex
Frameworks: Node.js, JUnit, React, Jest, JQuery, PyTest
Developer Tools: Git, Linux, PostgreSQL, MS SQL Server, GoCD, Docker, Postman, Looker

Experience

Alida 🔗 — Jan 2022 – Aug 2022

Software Developer Intern — *Vancouver, BC*

- Led the design and development of multiple enterprise-level microservice applications in Alida Analytics, directly impacting 176 million users globally and driving 41 new enterprise customers in 2022.
- Developed the Oneclick Dashboard, reducing the Dashboard creation time by 75%. Applied Alida AI models to analyze and display customer feedback in customizable Dashboard templates.
- Led development for a mobile data analytics project. Implemented ETL pipeline to enrich and ingest mobile data into analytics data warehouse. Completed implementation within 80% of scoped time.
- Designed and implemented scalable APIs and backend infrastructure for managing and distributing Alida services.
- Produced bug fixes for customer-impacting issues, efficiently closing over 70 user stories within the 8-month term.
- **Technologies used: TypeScript, JavaScript, Node.js, React, PostgreSQL, Docker, Postman, GoCD, Jest**

Intel 🔗 — Sept 2019 – May 2020

Python Developer Intern — *Vancouver, BC*

- Designed and implemented a completely automated verification pipeline for integrated circuit designs in Python. Created full documentation and 100% coverage test suite from scratch as engineering owner.
- Eliminated the need to hire a new Python Developer Contractor, resulting in estimated annual savings of $90,000.
- Verified design specifications for individual blocks and circuit designs. Utilized SVUnit for unit and integration testing.
- **Technologies used: Python, PyTest, Pandas, Git, XML, SystemVerilog**

Calgary Board of Education 🔗 — Sept 2016 – Jun 2017

Mechanical CADD Teacher Assistant — *Calgary, AB*

- Actively contributed to the development of the course website in collaboration with school staff and other TAs.
- Assisted students in building 3D models and architecture using the Autodesk Inventor and Revit Software.
- Built example 3D models to assist students in understanding the course content.

Glow: JA Southern Alberta Student Company 🔗 — Oct 2016 – Mar 2017

Website Designer — *Calgary, AB*

- Designed the company website in collaboration with marketing and product design teams.
- Collaborated with members of other departments to update the website and social media platforms.
- Awarded the "Company of the Year" award by JA Southern Alberta.

Projects

Moda 🔗 | *React, JavaScript, CSS3, HTML5, Prettier, Github, Git*

- Moda is a home furnishing e-commerce website that makes minimalistic and functional furniture accessible to everyone.
- Implemented product listing and detail pages using React components, allowing for easy customization and scalability as the product catalog grows.
- Implemented a site-wide context using React Context API to manage the state of the shopping cart, allowing for seamless sharing of cart data between components and pages, and enabling real-time updates of cart items across the website.

UBC Course Finder 🔗 | *TypeScript, JavaScript, Jest, JQuery*

- Developed a web application that allows users to enter specifications to filter through a UBC courses data set and return courses relevant to the inputted filters.
- Parsed course data sets in the form of zip files using JSZip and processed them into JSON files for querying.
- Utilized parse5 to obtain locations for each course from the UBC Wayfinding website.
- Built a scheduler algorithm that scheduled course sections into available classrooms while maximizing student enrollment and minimizing the distance between classes.

Education

University of British Columbia — Sept 2017 – May 2023

Bachelor of Science in Computer Science — *Vancouver, BC*