LI HUANG

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EDUCATION

Computer Programming and Analysis (Co-op) - Advanced Diploma   Sept. 2021 - Dec. 2024
Fanshawe College, London, ON   4.19/4.2 GPA
Awards: Women Rock IT Award; LBMX Inc. Award of Excellence

Japanese (International Economics and Trade) - B.A.   Sept. 2012 - June 2016
Donghua University, Shanghai, China

EXPERIENCE

Engineer (CO-OP) - OEConnection   May 2024 — Aug. 2024
- Contributed to the C# backend codebase of the vehicle repair planning platform, streamlining the workflow by designing and implementing RESTful APIs for enhanced data retrieval systems, improving user access to accurate OEM repair procedures, and reducing manual search efforts
- Optimized front-end components built with React for better user interaction in data-heavy tables, increasing UI responsiveness and improving the user experience across multiple modules
- Developed comprehensive test suites using both unit tests and Playwright for end-to-end testing, implementing automated UI regression testing for critical user workflows, ensuring accurate updates and proper validation across hundreds of thousands of records
- Familiarized with Azure Pipelines for continuous integration and deployment, ensuring smooth automated builds and testing processes

Computer Programmer Analyst (CO-OP) - Canada Revenue Agency   Sept. 2023 — April 2024
- Independently developed an Excel Add-in using VBA and macros based on an existing in-house tool, transforming the manual process of creating team leader workbooks into an automated one. Improved user experience for 15 - 30 Team Leaders
- Engineered an efficient data input and account selection system to handle a pool of over 10,000 accounts, ensuring unique monthly review lists for each officer without repeating any account within a six-month period
- Collaborated with non-technical stakeholders at CRA to overhaul the Division Hub website, using wireframes and prototypes to align on goals and translate ideas into actionable solutions
- Acted as the primary IT support professional for the AR team, functioning independently to address all IT-related issues. Conducted comprehensive troubleshooting, coding changes, and maintenance of the AR team's specialized tools, ensuring their optimal performance and reliability

Application Developer (CO-OP) - Atlas-Apex Roofing Inc.   Jan. 2023 — April 2023
- Actively participated in peer code reviews, contributing to improved code quality and knowledge sharing across the development team
- Successfully self-taught Angular within days of onboarding, enabling me to develop responsive full-stack web applications using Angular, Bootstrap, and RESTful APIs, helping the team complete a project one week ahead of schedule
- Ability to apply knowledge to similar situations enabled me to comfortably work with legacy systems written in VB.Net, contributing to successful migration to modern technologies such as ASP.Net and C#
- Demonstrated strong problem-solving skills by understanding legacy systems which have entire business logic written in complex SQL queries, identifying the issue and resolving it in the database

SKILLS & ABILITIES

Programming Languages: C#, JavaScript, TypeScript, Java, C++, Python, Kotlin, Go, VBA, COBOL, JSON/XML
Web & Frameworks: HTML5, CSS, React, Angular, Vue, React Native, PHP/Laravel, SpringBoot, Node.js, Next.js
Databases & Cloud Tools: SQL, NoSQL, SSMS, MongoDB, DB2, AWS, Docker, Git, Jira, Azure DevOps
CS Concepts: Agile Methodologies, CI/CD Pipelines, Object-Oriented Programming, Code Reviews, Unit Testing, Debugging, Data Structures & Algorithms
Soft Skills: Teamwork, Strong Problem-Solving, Multi-Tasking, Effective Communication