Yuchen (David) Li

✉ liyuchen990529@gmail.com — 📞 +1-519-701-1836 — 🔗 /in/yuchen-li-418a68158 — D0529Li

SUMMARY

Full Stack Software Engineer (3+ years) specializing in scalable .NET, Angular, and SQL applications with a focus on performance, architecture, and continuous growth.

EDUCATION

- **University of Waterloo**
  Bachelor of Computer Science – Co-operative Program (Honours)　　　　　　　　　*Sept 2018 – Aug 2023*
  - **Awards:** Top 25% – Canadian Computing Competition (Senior Division, 2017)

EXPERIENCE

- **Full Stack Software Engineer (Intern → Full-time)**　　Sep 2022 – Apr 2023 (Intern), Oct 2023 – Present
  PINpoint Information Systems Inc.　　　　　　　　　　　　　　　　　　　　*Burlington, ON, Canada*
  - Optimized service and testing performance: enhanced multithreading in the **Database Activity Replay tool** to boost performance by over $10\times$, parallelized automated tests cutting runtime by **90%**, and refactored database operations to async calls.
  - Developed and deployed a **Visual Studio** custom build task that automates model generation across service and front-end tiers, streamlining workflows.
  - Refactored and optimized **SQL stored procedures** to eliminate cartesian explosion issues and improve query efficiency, significantly enhancing overall system responsiveness.
  - Served as **Scrum Master**, facilitating daily standups, sprint planning, and retrospectives, improving collaboration and delivery cadence.
  - Enhanced UI/UX by designing a feedback interface (**C#/WPF**) and refactoring front-end components into reusable modules (**Angular/HTML/JavaScript**), reducing development time and improving maintainability.
  - Integrated automated performance metrics with **Grafana dashboards**, improving system monitoring and enabling proactive issue detection.
  - Built a configurable token processing mechanism to handle diverse customer requirements, increasing system flexibility.
  - Mentored and onboarded multiple **Co-op students** and a full-time developer, accelerating their technical growth and team integration.
  - Authored and maintained detailed technical documentation and API references, supporting onboarding and cross-team collaboration.

- **Software Engineer (Intern)**　　　　　　　　　　　　　　　　　　　　　　　　Jan 2020 – Apr 2020
  JSI Telecom　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Kanata, ON, Canada*
  - Collaborated with UI/UX teams in **Agile** sprints to enhance telecom application interfaces and usability.
  - Participated in cross-team discussions to ensure cohesive product design and consistent implementation.

TECHNICAL SKILLS

Languages:	C#, SQL, JavaScript, TypeScript, Java, C++, C
Frontend:	WPF (Desktop), Angular, HTML5/CSS3
Backend:	.NET Core, ASP.NET Core Web API, Entity Framework Core
Database:	SQL Server, Query Optimization, Stored Procedures, Indexing, Table Design
Architecture:	Microservices, Domain-Driven Design, Repository Pattern, MVVM (WPF)
Security:	OAuth 2.0, JWT, OpenID Connect
Tools:	Azure DevOps, Git, PowerShell, Visual Studio, Postman, SSMS, IIS Express, Linux

PROJECT

File Organizer (2024): Developed a tool to automate image sorting and folder management using *C#, .NET Core*