

Yuchen (David) Li

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SUMMARY

Full Stack Software Engineer with 3+ years of experience designing scalable .NET and Angular applications. Passionate about system performance, architectural design, and mentoring engineering teams to deliver high-quality, maintainable software.

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*
 - **Owned end-to-end delivery** of key product features, coordinating cross-functional discussions between design, QA, and customer stakeholders to achieve on-time, production-ready releases.
 - **Enhanced system performance and scalability** by implementing multithreaded database replay tools, increasing throughput by over **10×**.
 - **Refactored SQL stored procedures** to eliminate cartesian explosion issues, significantly improving query efficiency and system responsiveness.
 - **Automated cross-tier model generation** through a custom Visual Studio build task, reducing manual overhead and ensuring consistency between backend services and Angular modules.
 - **Optimized front-end UI/UX** by modularizing Angular components, accelerating feature development and improving maintainability.
 - Served as **Scrum Master**, facilitating daily standups, sprint planning, and retrospectives to enhance collaboration and delivery cadence.
 - Integrated automated performance metrics with **Grafana dashboards**, improving observability and enabling proactive issue detection.
 - **Mentored and onboarded** junior developers, accelerating their integration and strengthening technical proficiency.
- **Software Engineer (Intern)** Jan 2020 – Apr 2020
JSI Telecom *Kanata, ON, Canada*
 - Contributed to the **UI/UX team** to enhance usability and interface consistency across key product modules.
 - Collaborated cross-functionally with QA, product, and design teams to align requirements and deliver features in an **Agile Scrum** environment.
 - Gained foundational experience in iterative development, sprint planning, and stakeholder communication.

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

PROJECTS

- **File Organizer:**
 - Developed a Windows desktop tool using **C# and .NET Core** to automate image sorting and folder management.
 - Implemented rule-based classification and metadata extraction to organize images by orientation and content, reducing manual sorting time by **95%**.