

# Yuchen (David) Li

✉ liyuchen990529@gmail.com — 🌐 davidliyc.com — in LinkedIn — 📞 D0529Li — 📞 +1-519-701-1836

## 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*
  - **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

<b>Languages:</b>	C#, SQL, JavaScript, TypeScript, Java, C++, C
<b>Frontend:</b>	WPF (Desktop), Angular, HTML5/CSS3
<b>Backend:</b>	.NET Core, ASP.NET Core Web API, Entity Framework Core
<b>Database:</b>	SQL Server, Query Optimization, Stored Procedures, Indexing, Table Design
<b>Architecture:</b>	Microservices, Domain-Driven Design, Repository Pattern, MVVM (WPF)
<b>Security:</b>	OAuth 2.0, JWT, OpenID Connect
<b>Tools:</b>	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%**.