

# 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%**.