

# Yuchen (David) Li

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## EDUCATION

### • University of Waterloo

Bachelor of Computer Science – Co-operative Program (Honours)

Sept 2018 – Aug 2023

- Scholarships: President's Scholarship of Distinction (2019)

- Awards: Top 25% – Canadian Computing Competition (Senior Division, 2017)

## EXPERIENCE

### • Software Developer

Advantive LLC (formerly PINpoint Information Systems Inc.)

Oct 2023 – Present

Toronto, ON, Canada

- Owned end-to-end delivery of major product features, coordinating with design, QA, and customer teams to achieve on-time, production-ready releases across multiple manufacturing clients.
- Designed and delivered RESTful APIs to enable secure external system integration and real-time production data synchronization.
- Refactored SQL stored procedures to resolve performance bottlenecks and improve system responsiveness and reliability.
- Led modernization initiatives such as Angular upgrades and culture-aware data formatting, ensuring maintainability and global deployment readiness.
- Enhanced operator workflow efficiency by redesigning step transition logic and embedding document preview capabilities, improving production throughput and quality.
- Improved application stability through defensive coding, diagnostic logging, and structured error handling, reducing incident resolution time and hotfix frequency.
- Facilitated Agile ceremonies as Scrum Master and mentored new developers to strengthen delivery cadence and team productivity.

### • Software Developer (Co-op)

PINpoint Information Systems Inc.

Sep 2022 – Apr 2023

Burlington, ON, Canada

- Enhanced system performance and scalability by implementing multi-threaded database replay tools, increasing throughput by over 10×.
- Collaborated with senior developers to design and deliver new product features that improved system reliability and maintainability.

### • Software Developer (Co-op)

Digital 14

May 2021 – Aug 2021

Mississauga, ON, Canada

- Developed and maintained Java-based backend services supporting secure communication systems.
- Supported CI/CD implementation and code reviews under senior engineers, gaining exposure to enterprise-grade security and deployment standards.

### • Software Developer (Co-op)

JSI Telecom

Jan 2020 – Apr 2020

Kanata, ON, Canada

- Contributed to UI/UX development of key product modules to improve usability and consistency.
- Applied Agile Scrum practices to plan, develop, and deliver iterative product improvements.

## TECHNICAL SKILLS

**Languages:** C#, SQL, JavaScript, TypeScript, Java, C++, C

**Frameworks:** .NET Core, ASP.NET Core Web API, Angular, Entity Framework Core, WPF

**Database:** SQL Server, Query Optimization, Stored Procedures, Indexing

**Tools:** Azure DevOps, Git, PowerShell, Visual Studio, Postman, IIS

**Concepts:** MVVM, REST API Design, OAuth 2.0, Repository pattern, CI/CD