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** Oct 2023 – Present
  Advantive (formerly PINpoint Information Systems Inc.) *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)** Sep 2022 – Apr 2023
  PINpoint Information Systems Inc. *Burlington, ON, Canada*
  - **Enhanced system performance and scalability** by implementing multi-threaded database replay tools, increasing throughput by over $10\times$.
  - **Collaborated with senior developers** to design and deliver new product features that improved system reliability and maintainability.

- **Software Developer (Co-op)** May 2021 – Aug 2021
  Digital 14 *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)** Jan 2020 – Apr 2020
  JSI Telecom *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