**Matthew Tian**

[matthew.tian2005@gmail.com](mailto:matthew.tian2005@gmail.com) | (647)-915-8185 | LinkedIn: [Matthew Tian](https://www.linkedin.com/in/matthew-tian-1a7a5236a/) | GitHub: [Matthew-Tian5](https://github.com/Matthew-Tian5)| Website: [Matthew's Website](https://matthew-tian5.github.io/)

**EDUCATION**

**Wilfrid Laurier University and Waterloo University Waterloo, Ontario**

*B.S. in Waterloo Computer Science and B.S. in Wilfrid Laurier Economics Expected Graduation, May 2028*

* **Concentrations:** Big data systems
* **Major GPA:** 3.50/4.00
* **Related Coursework:** Data Structures & Algorithms, Machine Learning, OOP, Computer Organization, Stats & Applications, Macro/Micro Economics

**Google CyberSecurity Certificate Online Course**

*Completed online Cybersecurity Course provided by Google May 2025 - July 2025*

* Completed Google’s professional training program covering network security, threat detection, incident response, risk assessment, and security best practices.
* Gained hands-on experience with tools and concepts such as Linux command-line, SQL for security analysis, and frameworks like NIST Cybersecurity Framework.

**EXPERIENCE**

[**Klystric Startup**](https://klystric.com/) **Waterloo, Ontario**

*Co-Founder June 2024 – Present*

* Cofounded and built an AI-powered content generation platform enabling secure, on-demand creation of text, images, and data outputs tailored to each user.
* Led full-stack development and deployed scalable infrastructure on AWS (EC2, S3, API Gateway, Lambda), achieving sub-second response times for common requests.
* Implemented Docker-based deployment pipeline, reducing environment setup time by over 70% and ensuring seamless portability across platforms.
* Designed and developed a responsive, accessible front-end in HTML5, CSS3, and JavaScript, improving user engagement and task completion speed.
* Enhanced customer efficiency by enabling faster, more accurate output generation, leading to improved productivity in early testing.

**Blowout Technologies Mississauga, Ontario**

*Computer Programmer Intern Feb 2022 – May 2022*

* Collaborated with a cross-functional team to design and optimize event management features for Blowout, enabling users to create, explore, and track events, increasing user engagement by 35%.
* Utilized Java, PHP, Swift, and JavaScript to create scalable and efficient backend and frontend features, reducing app loading times by 15% and improving overall app performance.
* Designed and implemented user-friendly interfaces using HTML5, CSS, and Swift, which improved navigation and increased user satisfaction by 40%.

**PROJECTS**

**AI chatbot Waterloo, Ontario**

*Independent May 2025 – July 2025*

* Built with LangChain & Claude 3 Sonnet to generate topic summaries, integrating DuckDuckGo and Wikipedia APIs. Designed as a modular Flask REST API with AWS Lambda support for scalable, maintainable content pipelines.
* Currently enhancing deployment with **Docker** containers for AWS S3 hosting, enabling portable and cloud-ready execution.

**Vulnerability Scanner Waterloo, Ontario**

*Independent August 2025*

* Python tool for scanning network/web apps for SQLi, weak SSL/TLS, outdated software, and missing headers.
* Used nmap, requests, and BeautifulSoup; modular network, web, and reporting functions.
* Generated JSON reports; designed for CVE integration and parallel scanning.

**ACTIVITIES AND LEADERSHIP**

**WLU Big Backs Waterloo, Ontario**

*President**July 2025 – Current*

* Founded a social, community friendly club where people get together to enjoy, rate, and discover good eats around campus, allowing a cohesive bonding community to share cultures.

**Zagagon Pre-Med Mississauga, Ontario**

*Co-President Sept 2019 – June 2023*

* Co-founded and led a medical club of 300+ students, managing a team of 9 to provide bi-weekly medical labs, workshops, and networking opportunities, fostering pre-medical education and community engagement.

**SKILLS**

**Programming:** Java, Python, JavaScript, HTML/CSS, Linux, ARM Assembly, Node.js, React.js, MATLAB, C++, C, Swift (iOS), Lua