

# Matthew Tian

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## 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](#)

Waterloo, Ontario

Co-Founder

June 2024 – Present

- Co-founded 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