

# Tom Zhang

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## EDUCATION

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### Earl Haig Secondary School

Ontario Secondary School Diploma (OSSD)

Toronto, Canada

Sept. 2022 – June. 2026

### University of Waterloo

Catalyst for Young Entrepreneurs

Kitchener, Ontario

July. 2024 - Aug. 2024

## EXPERIENCE

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### Founding Engineer

June 2024 – Present

*OrbitView*

- At OrbitView, we have experienced multiple pivots. From initially being a media production company, we have morphed into a platform that allows people to monetize their underutilized asset of their knowledge. Monetize one's knowledge without active time investment through subscription access.

### Lead Engineer

Sept 2024 – Present

*Token Z Labs*

- Unified, User-Centric, Universal Ledger for Capital Markets — RWA — Mint, Manage, Trade real-world assets globally.
- Designed and shipped a magnificent user interface (UI/UX) and increased client and investor engagement by over 254%
- Prepared and structured website content in time for a fundraising round in Q1 2025.

### Head of Engineer Department

June 2024 – Present

*Earl Haig Science Society*

- Hosted weekly meetings, workshops, keynotes, panels, etc.
- Grew department popularity by nearly 30
- Currently mentoring over 15 active students to prepare for STEM competitions with my expertise and experience
- Engineered a website for Earl Science Society, part of the largest public high school by student body in Ontario, Canada,. It continues to provide over 330 students (roughly 16% (1/6) of our entire school's student body) with equal access to information regarding STEM opportunities, labs, contests, events, behind the scenes and more!
- Lead the team of developers managing traffic management and achieved a score of 100% on BEST PRACTICES and 100% on SEO according to PageSpeed Insights

### Writer

June 2024 – Present

*Tom Zhang's Digest*

- Once in a while, I write about my lessons, key takeaways, and recounts.

## PROJECTS

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### OrbitView

Jan 2025 – Present

- Pioneering the first AI-powered mentorship hub, leveraging custom-trained AI mentors to provide elite knowledge and guidance for founders, investors, and ambitious builders.
- Building AI Avatar & Agent Creator, allowing users to train personalized AI mentors on expert knowledge, startup case studies, and contrarian thinking frameworks.
- Engineering training data ingestion & labeling systems for PDFs, Word Docs, and interview transcripts, enabling deep personalization and reasoning-based AI insights.
- Developing OrbitView AI Mentor Marketplace, where domain experts (VCs, entrepreneurs, and coaches) can create and monetize AI avatars.
- Positioning OrbitView as a central hub for "embedded brand ambassadors", creating a flywheel effect of growth for businesses (e.g. startup accelerators, VC firms, business coaches, consultants, etc. ).
- Preparing for fundraising (June – July 2025) to scale adoption and operations.

### "A Practical Guidebook to Ollama"

Sept 2024 – Present

- Currently and preparing to *A Practical Guidebook to Ollama* for Packt, providing a comprehensive guide on foundational models and AI workflows.

- Co-leading and handling the logistics of an AI and data science program at Columbia University, assigning over **30 undergraduate and graduate students** to test foundational models, Ollama, and work with projects in the domains of financial data analysis, AI in software development, robotic customer support, and electric vehicles (EVs).
- Analyzed and compiled insights from real-world AI applications to enhance the book’s depth and accuracy., providing genuine valley for the reader

## TECHNICAL SKILLS

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**Languages:** Python, Java, JavaScript Arduino, SQL (MySQL), HTML/CSS, R

**Frameworks:** React.js, Next.js, Django, Django Rest Framework (DRF), FastAPI

**Developer Tools:** VS Code, Insomnia (API testing), IntelliJ, DataGrip, MySQL Workbench, Git GitHub, PyCharm Professional Edition, Arduino IDE, Thonny, SQLite

**Libraries:** pandas, NumPy, Matplotlib, PyTorch, TensorFlow, MySQLClient, Bootstrap, Tailwind CSS

## CERTIFICATIONS

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**Meta Back-End Developer Specialization**

*Meta, June 2024*

**IBM AI Engineering**

*IBM, July 2024*

**Python for Data Science, AI, & Development**

*IBM, September 2024*