Tom Zhang

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Technical Skills

Languages: Python, TypeScript, JavaScript, Java, SQL (PostgreSQL, MySQL), Bash scripting
Frameworks: Next.js, React, Django, DRF, FastAPI, Node.js, Playwright, Maestro.dev
Infrastructure & Data: GCP, Cloud Composer, Airflow, Docker, AWS, Vercel, CI/CD, pandas, NumPy, GitHub Actions
Developer Tools: Git, Linear, Slack API, Cursor, Insomnia, DataGrip, Chrome DevTools
AI/ML: OpenAI API + Agents SDK, Groq, Ollama, LangChain, Mastra, PyTorch, RAG, Prompt Engineering

Experience

Phia Dec 2025 – Aug 2026
Full-Stack Software Engineer (Intern) *Remote + New York City, USA*

- Core contributor to **Sales Calendar**, a flagship consumer feature shipped in the Phia app that surfaces upcoming promotions across retailers, letting users browse sales by date and filter by brand
- Built marketing extraction and ingestion pipelines that have ingested **8,000+ sale events**, forming a key component in the data backbone of Sales Calendar
- Designed scheduled web agents that autonomously validate **2,000–4,000 coupons weekly**, ensuring only working codes surface to end users
- Shipped **20+ automations orchestrating dozens of services**, saving the team **100+ hours weekly** across engineering, product, partnerships, and operations including auto-triaged bug reporting (ticket creation, owner routing, thread pings) and automated company-wide end-of-week reporting
- Built automated iOS QA infrastructure for Safari extension onboarding flows, substantially reducing manual testing time

OrbitView June 2024 – Sept 2025
Founding Engineer *Toronto, ON*

- Built a two-sided marketplace connecting students with high-profile operators for recruitment and co-founder evaluation, serving 80+ users across North America
- Architected a conversational AI system replacing static PDF resumes with dynamic, interactive experiences using the AI-powered chats/conversations
- Designed full-stack platform (Next.js + Django REST) with real-time data sync, authentication, and an operator dashboard; led iteration to v8 with full UI redesign and AI agent integration

Rove Miles (YC W24) July 2025 – Aug 2025
Technical Intern *Remote*

- Architected flight search and recommendation engine for a universal airline miles platform backed by Y Combinator, General Catalyst, and Pear VC
- Built Python data pipelines integrating multiple airline APIs to collect and analyze real-time pricing across carriers; created a recommendation engine computing optimal value-per-mile across redemption options

Projects

LeetOps | *Django, React, Groq, Docker* Sept 2025 – Present

- "The standardized testing platform for software engineers" a platform training engineers on production incident response rather than algorithmic puzzles
- Built realistic on-call simulation from production logs, system context, and time pressure, with automated grading of debugging methodology, root cause analysis, and incident communication

Corey | *AI agents, Robotics* Jan 2026 – Present

- Currently building physical-world data ingestion pipelines: robots digitizing physical personal libraries and transforming into a queryable knowledgebases for one's AI agents

Education

University of Toronto Sept 2026 – 2030
Bachelor of Science, Computer Science (Artificial Intelligence and Machine Learning Specialist Focus) *Toronto, ON*

Earl Haig Secondary School Sept 2022 – June 2026
Ontario Secondary School Diploma — Science Society, Engineering Club Co-President *Toronto, ON*

- *Programs:* Harvard Undergraduate Ventures TECH Summer Program (2025); University of Waterloo Catalyst for Young Entrepreneurs (2024)