

Angelina Jiang

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EDUCATION

University of Toronto

Candidate for Bachelor's Degree, Computer Science

Sept. 2025 – May. 2028

cGPA: 3.97/4.00

EXPERIENCE

Artificial Intelligence Research Assistant

May 2026 – Present

The Matter Lab, University of Toronto

Toronto, ON

- Built an evaluation harness to benchmark LLM code-generation agents across models and workflows, looking at token usage, latency, and code complexity to compare agent efficiency across MCP-server tool calls
- Scaled agentic pipelines beyond interactive-session limits by orchestrating multi-hour batch compute across HPC nodes with SLURM, enabling long-running autonomous workloads
- Optimized structural execution graphs in Python for the El Agente: Grafico with Prof. Alán Aspuru-Guzik

Software Engineer

May 2026 – Present

Department of Computer Science, University of Toronto

Toronto, ON

- Shipped feature enhancements to Courseography, an open-source website in Haskell and React, used by 250+ computer science students per month to visualize course prerequisites, program requirements, and term schedules
- Performed a schema migration in SQLite that refactored internal data access to improve readability
- Built and maintained a quality pipeline with Jest and Coveralls, achieving 59% statement coverage across 500+ automated tests on CircleCI by applying test-driven development (TDD) and expanding unit-test coverage

Software Engineer

May 2026 – Present

Clean Architecture Visualizer for Education

Toronto, ON

- Built features for CAVE, a program built in TypeScript, JavaScript and React, that helped 100+ users learn and practice software design principles
- Delivered a matching exercise end-to-end, owning the full cycle from Figma design to implementation and testing
- Reduced wall-clock runtime by 5.1% by adopting DevOps practices and reconfiguring GitHub Actions (CI/CD)

PROJECTS

Agentic AI Travel App | *React Native, TypeScript, Google APIs, Gemini*

March 2026

- Built a cross-platform mobile app that adapts travel itineraries from user energy check-ins and location context
- Engineered an agentic pipeline that evaluates user state, filters nearby options via the Google Maps SDK, and recommends alternative activities with reasoning and directions
- Integrated the Gemini API to generate personalized itineraries from mood and wellness data persisted in Supabase

LEADERSHIP EXPERIENCE

Computer Science Student Union @ UofT

Sept 2025 – May 2026

Academic Associate

Toronto, ON

- Taught peers core data structures and algorithms in Python through presentations and coding examples
- Solved coding problems in real time by optimizing algorithms through problem-solving and Object-Oriented Programming (OOP)
- Organized weekly LeetCode Nights for 50+ students in collaboration with IEEE UofT and UTMIST

ACHIEVEMENTS

Fermat Math Contest (2024) | *Top 1% among 19,000+ contestants internationally*

University of Waterloo

Canadian Girls' Math Contest (2024) | *3rd place, Senior Division*

CGMC

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Haskell, SQL, Java, C/C++, HTML/CSS

Frameworks & Libraries: React, React Native, Node.js, Flask, Prisma, SQLAlchemy, Expo

ML / AI & Data: PyTorch, XGBoost, Stable Baselines3, OpenCV, pandas, NumPy, Matplotlib, MCP, Power BI

Databases: MySQL, PostgreSQL, MongoDB, SQLite, Supabase

Developer Tools & DevOps: Docker, Git/GitHub, GitHub Actions (CI/CD), Jest, Coveralls, Playwright, SLURM/HPC, Google Colab, Figma, Hugging Face Spaces, UNIX/Shell