Jack Yuan

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EDUCATION

McMaster University   Hamilton, ON, Canada
Honours Bachelor of Applied Science in Computer Science   *Sep. 2025 - Apr. 2030*

- **Cumulative GPA: 4.0**

TECHNICAL COMPETITIONS

Canadian Computing Olympiad   2025
Silver Medallist   *National*

- Earned **Silver Medal** at Canada's national invitational programming contest (~20 invitees)
- Qualified through **multi-stage national selection** among top Canadian competitors
- **Solved high-difficulty algorithmic problems** under strict time constraints

LeetCode   Present
Top 0.37% globally

- Leading global platform for algorithmic problem-solving and technical interview preparation
- LeetCode profile

DMOJ: Modern Online Judge   Present
Ranked #72 globally

- Largest Canadian competitive programming platform
- DMOJ profile

EXPERIENCE

Junior Python Software Developer   June 2025 – Aug. 2025
Huaqiang Horizon Technologies   *Shenzhen, Guangdong, China*

- Developed **Python automation scripts** for data processing workflows, reducing manual effort and errors
- Processed and validated structured data using **CSV** and **JSON**, including cleaning and transformation
- Implemented **logging**, **error handling**, and configuration management to improve reliability
- Authored internal documentation and lightweight utilities for developer workflows

Vice President, Competitive Programming Development   Present
McMaster Competitive Programming   *Hamilton, ON, Canada*

- Led **competitive programming training sessions** covering algorithms, data structures, and contest strategy
- Designed and curated **algorithmic problem sets** covering graph algorithms and dynamic programming
- Mentored members by reviewing solutions and teaching **optimization techniques** and edge-case handling
- Coordinated with the executive team to prepare members for programming contests and technical interviews

PROJECTS

Job Application Tracker

- Built a **full-stack web application** to track job applications, statuses, and follow-up actions
- Implemented a structured **application pipeline** (e.g., Applied, Interview, Offer, Rejected)
- Designed a **responsive user interface** for creating, updating, and reviewing applications
- Emphasized clean data models, maintainable code structure, and intuitive user interactions

TECHNICAL SKILLS

Languages: Python, Java, C/C++, SQL, JavaScript, HTML/CSS, Bash, Haskell
Frameworks: React, Node.js, Express
Developer Tools: Git, Github, Docker, Linux, PostgreSQL, npm