

# Tim Chen

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## EDUCATION

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### University of Toronto

*Honours Bachelor of Science (HBSc)*

**Toronto, ON**

*Expected Graduation 2026*

- Specialist in Mathematics & Its Applications (Probability & Statistics)
- Minors: Computer Science, Statistics
- Relevant Coursework: Mathematical Theory of Finance, Software Design (Java), Software Tools and Systems Programming (C), Methods of Data Analysis I & II (R), Computer Programming (Python), Databases (SQL), Statistical Theory (Tableau), Machine Learning (Python)

## PROFESSIONAL EXPERIENCE

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### MAYOHR

*Frontend Software Engineer Intern*

**Taipei, Taiwan**

*May 2024 - August 2024*

- Built and maintained a high-traffic website using JavaScript, HTML, and CSS, enabling a 30% faster resolution time for customer service inquiries.
- Utilized Python to simulate and analyze data sets—facilitating front-end testing before the backend was fully implemented—reducing integration bottlenecks by 25%.
- Collaborated with product managers and customer service teams to design data-access features that streamlined troubleshooting, increasing efficiency by 40%.

## OTHER ACTIVITIES & EXPERIENCES

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### ROCSAUT - University of Toronto

*Events Executive*

**Toronto, ON**

*April 2023 - March 2024*

- Organized large-scale events for 250+ attendees, applying budgeting and risk assessment to reduce costs by 15% while maintaining compliance with university policies.
- Performed data analyses using Excel (Pivot Tables) to streamline logistics, ensuring operational efficiency and risk mitigation in event processes.
- Coordinated with stakeholders to test and validate processes, meeting strict governance and policy standards.
- Demonstrated strong communication and organizational skills in a fast-paced environment, balancing multiple concurrent activities.

### Future Invention Learning Laboratory

*Teacher Assistant*

**Richmond, BC**

*September 2019 - August 2020*

- Taught coding fundamentals using Scratch, introducing logical thinking and problem-solving concepts to younger students.
- Increased student engagement by developing interactive lesson plans focused on analytical skills and iterative testing.

### NFE North American University Fair

*Event Coordinator*

**Vancouver, BC**

*September 2018 - January 2019*

- Coordinated and executed a high-impact university fair, generating over 1,000 ticket sales.
- Introduced an innovative booth-stamp collection system to boost visitor engagement, incentivizing attendees to interact with all university booths and rewarding them for full participation.

## ADDITIONAL INFORMATION

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- **Skills:** Python, R, SQL, Java, C, Excel, Tableau, Power BI, Statistical Analysis, Machine Learning, Data Visualization, Data Cleaning, Analytical Thinking, Problem-Solving, Communication, Team Collaboration, Attention to Detail.
- **Projects:** Examining Violent Crime in Toronto (Bayesian logistic regression in R), Traffic Collision Analysis in Toronto (Tableau), Predicting Diabetes Risk Factors (logistic regression in R), Housing Price Prediction (multiple linear regression in R)
- **Languages:** Fluent in English and Mandarin
- **Certifications:** Google Data Analytics Professional Certificate: (Data Analysis, Data cleaning, visualization, SQL, Tableau, and R)