

# Julian Zhang

LinkedIn

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## EDUCATION

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### University of Toronto Schools

*UTS Diploma, OSSD Diploma; Cumulative Average: 97.0%*

Toronto, ON

*Sept 2018 - June 2024*

**Activities:** Math Society Executive, Math Society Outreach Director, Speech and Debate Society Research and Mentorship Executive, Competitive Coding Club, AI Club, Web Development Club, Cuspidor Magazine Columnist

## EXTRACURRICULARS

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### UTS Math Society

*Executive and Outreach Director*

*Sept 2021 - Present*

- Taught competitive math to students in weekly pod meetings.
- Collaborated with peers to organize outreach initiatives and merchandise.
- Organized and hosted Speaker Series events with reputable Math and Computer Science professors.

### UTS Speech and Debate Society

*Executive, Research and Mentorship, Competitive Team*

*Sept 2020 - Present*

- Researched current global issues in debate and presented to a club of about 40 students, helped junior students prepare cases about political, geopolitical, and economic topics

## WORK EXPERIENCE

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### UTSC Clean Energy Lab Member

*Group Member alongside PhD and grad students*

*July 2022 - Aug 2022*

- Attended weekly group meetings and gave presentations under the supervision of Prof. Oleksandr Voznyy
- Used CGCNN (Crystal Graph Convolutional Neural Network) to discover trends in chemical properties for materials discovery aimed at producing cleaner energy to mitigate the effects of climate change

### Schoolhouse.world Tutor

*Registered Tutor in Algebra I and II*

*April 2021 - Present*

- Taught high school-level math to 28 students in 7 countries, topics ranging from quadratics to logarithms
- Created course materials, communicated with learners and addressed questions outside of class

### Summer Development Debate Championship Director

*Tournament Director, Communications Manager*

*Jun 2021 - Aug 2021*

- Ran and directed a 40 person, 20 team novice debate tournament which raised \$400 for Toronto SickKids Hospital
- Managed promotions, registrations, participant communications, and organizing judges

## HONORS AND AWARDS

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- Invited to attend Hack The North 2022, creating a project in 36 hours (Sept 2022)
- American Invitational Mathematics Exam (AIME) Qualifier (Feb 2023)
- Canadian Open Mathematics Competition Honor Roll (COMC) (Oct 2019-2022)
- Pascal Math Contest National Champion (May 2020)
- Canadian Computing Competition (CCC) Honor Roll (Feb 2020-23)
- Canadian Students Debating Federation National Team Tryout, Top 3 in Ontario (Mar 2023)
- Hart House High School Tournament, Top Speaker out of 300, Top breaking team, Grand Finalist (Feb 2023)
- Junior Provincial Debating Champion and 4th speaker (Mar 2021)
- Royal Conservatory of Music Grade 8 Piano, First Class Honors (Jun 2021)

## TECHNICAL SKILLS

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**Programming:** C++, Java, Python, PyTorch, TensorFlow, HTML, JavaScript, CSS, LaTeX

**Developer Tools:** Git, VSCode, Visual Studio, CLion, PyCharm, Eclipse

**Languages:** Fluent in English and Mandarin Chinese, Working proficiency in French and Latin

**Certifications:** Supervised Machine Learning, Advanced Learning Algorithms, Unsupervised Learning

**Soft Skills:** Communication, Public Speaking, Problem Solving, Writing, Time Management

**Miscellaneous:** Royal Life Saving Society Canada Bronze Star Certification, CPR A and B