

Dao Chen YUAN

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EDUCATION

McGill University B. Sc. in Honours Probability and Statistics with Computer Science Minor, GPA: 3.98/4.00	Montreal, QC 2019 – Current
Marianopolis College DEC in Honours Health Sciences, R-score: 37.240	Westmount, QC 2017 – 2019

TEACHING

- **One-to-one Tutor** at Marianopolis College
Calculus 1, Calculus 2, Linear Algebra 1, General Chemistry 1, Organic Chemistry 1, Waves and Electromagnetism Fall 2018 – Fall 2019

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C, Bash, Javascript (React.js), OCaml, assembly (MIPS)
- **Mathematical Skills:** basic analysis, basic algebra, vector calculus, measure and probability theory, graph theory
- **Programming Competencies:** OOP, functional programming, algorithms

LANGUAGES

- **Mandarin:** mother tongue
- **French:** full fluency
- **English:** full fluency
- **Japanese:** intermediate, self-taught

PROJECTS

- **Study on Generation and Properties of Fractals**
Marianopolis honours research project supervised by Prof. Dmitry Jakobson (McGill). Investigated real analysis results related to generation and properties of fractals (iterated function systems, Hausdorff dimension and measure, etc). Wrote a final paper and gave a presentation. 2018 – 2019

SCHOLARSHIPS AND AWARDS

- Bourses Hydro-Quebec Science
Merit-based, renewable, \$5000 per year 2019 – Current
- Faculty of Science Scholarship
Merit-based, \$700 one-time 2020 – Current
- Dean's Honour List - Science
Top 10% in the Faculty of Science 2020 – Current
- Marianopolis Scholar
Grades above 90% overall 2019

EXTRACURRICULAR ACTIVITIES

- VP Finance at Society of Undergraduate Mathematics Students
Preparing the club's budget; coordinating with other members regarding various costs and event expenses; managing the club accounts; submitting monthly audit reports. 2020 – Current