# MAURICIO KIRAKOSYAN ZORZAN

Major: Mathematical, Computational and Statistical
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## EDUCATION

**YALE-NUS COLLEGE**                                                        Singapore.
Candidate for Bachelor of Science (Honours) degree in MCS                   2020 - 2024
- Computer Science track with an interest in Software development
- Minor in Physics with an interest in Quantum Computation and Cryptography
- GPA: 4.0/5.0

## EXPERIENCE

**SIMULATION SOFTWARE & TECHNOLOGY (S2T)**                                  Singapore
**Front-end Developer (Intern)**                                           June 2023 - August 2023
- Developed interactive user interfaces and components using React.js to enhance the functionality and responsiveness of web applications.
- Communicated with cross-functional teams to gather requirements and provide progress updates.
- Collaborated closely with senior developers to debug and troubleshoot frontend issues and optimize website performance.

**HP INC.**                                                                Singapore
**eCommerce Testing Lead (Intern)**                                       February 2023 - June 2023
- Partnered with internal and external stakeholders across 16 APAC/LATAM countries.
- Led creation of test cases for implementation of payment platform.
- Created and formatted over 1000 BBD test cases on TestRail.

**KWEK RESEARCH GROUP, CENTRE FOR QUANTUM TECHNOLOGIES**                    Singapore
**Student Researcher**                                                     May 2022 - July 2022
- Researched Noisy Intermediate-Scale Quantum algorithms by reviewing over 10 research papers and discussing with Dr. Leong Chuan Kwek.
- Initiated independent research on applications of Quantum algorithms and Information.

**RODIN RESEARCH GROUP, YALE-NUS COLLEGE**                                 Singapore
**Student Researcher**                                                     May 2021 - August 2021
- Completed an independent research project under Dr. Aleksandr Rodin focusing on applications of Quantum Mechanics.
- Directed independent work, while partnering with Dr Rodin and receiving tutelage.

**COLEGIO ETAPA**                                                          Sao Paulo, Brazil
**Seasonal Advisor for College Admissions process**                       November 2020 - January 2021
- Mentored students with preparations necessary for the American college application process, achieving acceptances in top universities.
- Corrected essays of over 50 students for stronger phrasing and conciseness.

**Tutor for AP Calculus, AP English, AP World History and SAT**            January 2020 - December 2020
- Offered academic support to 30 students, creating teaching materials for different backgrounds. Resulted in increased overall test scores.

## COMPUTER SKILLS

- Programming Languages: Python | Javascript | HTML | CSS| R
- Experience in Django, React.js, Mathematica, Magento, Testrail, AWS Amplify, Tailwind CSS, Docker

## LANGUAGES

- English (Native), Portuguese (Native), Korean (Basic)