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
- GPA: 4.0/5.0
- Relevant courses: Data Structures and Algorithms, Software Engineering, Programming for Data Science, Ordinary and Partial Differential Equations

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

TECHNICAL SKILLS

- Programming Languages: (Proficient): Python, Javascript, HTML5, CSS3, TypeScript, (Familiar): R, C#
- Frameworks / Technologies: (Proficient): React.js, Next.js, Express, Django, Tailwind CSS (Familiar): MongoDB, Node.js
- Tools: Amazon Web Services, Docker, Git, GitHub, Jira, TestRail, Mathematica

PROJECTS

- Personal website: Built and hosted a personal portfolio website with a responsive design using Next.js. See more for additional information and projects: https://mauzorzan.vercel.app/
- Threads: Built with Next.js and MongoDB, this modern social media app takes inspiration from Meta's Threads. In it, users can create an authenticated account to post threads, reply to friends, join communities and much more: https://mauzorzan-threads.vercel.app/

LANGUAGES

- English (Native), Portuguese (Native)