

Gaozhe Jiang

PERSONAL INFORMATION

EMAIL: e0945601@u.nus.edu

EDUCATION

National University of Singapore – Doctor of Philosophy In Progress

Major: Operations Research and Analytics

Course Works: Stochastics Processes, Foundations of Optimization.

National University of Singapore – MS with the RMI Full Scholarship JULY 2023

Major: Financial Engineering **GPA:** 4.45/5.00

Course Works: Stochastic Calculus and Quantitative Methods, Financial Econometrics, Programming and Advanced Numerical Methods, Research Methods in Finances, Risk Analyses and Management, Portfolio Theory and Investments.

UC Berkeley – Bachelor of Science with the Highest Honor JUNE 2020

Major: Chemistry **GPA:** 4.00/4.00

Course Works: Mathematical Tools for Physical Sciences(Complex Variables, Calculus of Variations and Integral Transform), Ordinary Differential Equations, Calculus III(Vector Calculus), Calculus II, Calculus I, Linear Algebra, Physical Chemistry I(Quantum Mechanics), Physical Chemistry II(Statistical Mechanics), Electrodynamics.

Oxford University – Mathematical Finance Training Programme AUGUST 2023

Course Works: Limit Order Books, Optimal Execution and Algorithmic Trading, Computational Finance with Deep Neural Networks, Monte Carlo Methods.

RESEARCH EXPERIENCE

Graduate Researcher | HKU OCTOBER 2020 – AUGUST 2021

Performing the quantum mechanical modeling for all-solid-state lithium batteries with Time- Dependent Density-Functional Theory for Open Systems (TDDFT-OS) method.

Undergraduate Researcher | UC Berkeley JULY 2018 –MARCH 2020

Research on the total synthesis of natural products at Maimone Group. Work on reaction discover, reaction optimization, product purification and identification, preparation of synthetic intermediates on gram scale.

TEACHING EXPERIENCE

Teacher's Assistant | College of Alameda OCTOBER 2016 – MAY 2018

Responsible to lead the weekly study group for the mechanics and electromagnetism classes. Also worked as a tutor of general chemistry, organic chemistry, and math including calculus and linear algebra.

AWARD

RMI Full Scholarship JULY 2021

Recipients of the scholarship are chosen on the basis of their previous research experience, ability to work in a team, attitude and likelihood of performing well in their coursework and futures in the financial industry. It offers a full SGD52000 tuition waiver.

Kooliu Siok-Han Award

MAY 2020

It recognizes outstanding achievements of undergraduate research in chemistry, which is nominated by my undergraduate supervisor and awarded on the 2020 Commencement.

Dean's List

JULY 2019 and DECEMBER 2018

Obtained a top 10% GPA among all undergraduates at College of Chemistry of UC Berkeley.

The Leadership Award

AUGUST 2018

A scholarship offered by Cal Alumni Association, which recognizes the leadership as well as academic excellence of the scholars.

First Class Award of 29th Chinese Chemistry Olympiad

OCTOBER 2015

Chemistry Olympiad top 1% among all participants in Shandong province, which are more than 2000 students.