

Quyen Nguyen

📍 4 Khyber Pass, North Dunedin, Dunedin

✉ quyen.nguyen@postgrad.otago.ac.nz

☎ 027-340-1383

SUMMARY

I am currently in my final year of the Finance PhD program in the University of Otago. My research focusses on the impact of climate change to financial stability. I have strong passion in applying data science to predictive analysis & decision making process. I have five years of diversified experience in finance, modelling and data analytics in New Zealand, United States and Vietnam.

EDUCATION

University of Otago (Dunedin, New Zealand)

Ph.D. Finance, Department of Accountancy and Finance

Mar 2021 (expected)

University of Minnesota (Minnesota, United States)

M.B.A., Carlson Fund Enterprise

2015

Foreign Trade University (Ho Chi Minh, Vietnam)

B.S. International Business Economics

2010

EXPERIENCE

The University of Otago (Dunedin, New Zealand)

Ph.D. Researcher, Climate Risks In Financial Institutions

Feb 2018- Present

- Explored machine-learning algorithms to enhance the prediction of firm-level carbon footprints in the context of limited disclosure and increased interests of climate risk in finance
- Developed a bottom-up financial stress test to examine the potential losses incurred by US banks across climate scenarios in their corporate loan portfolios
- Analyzed the impact of climate risks on firm-level creditworthiness, credit ratings and credit default swap spreads

Research Assistant, Sea Level Rise Stranded Assets Project

Oct 2018- Now

- Analyzed the price effect of 2015 June Flood on South Dunedin residential properties
- Generated sea level rise flooding maps using Monte Carlo simulation in ArcGIS

Teaching Assistant & Private Tutor

Oct 2018- Now

- Acted as a teaching assistant for two tutorial sessions in 300-level class 'Financial markets and institutions'. Prepared tutorial materials and supported students on academic problems.
- Acted as a private tutor for 200-level classes 'Investment analysis' and 'Fundamentals of corporate finance' for the 'Disability information and support' center.

Ministry for the Environment (Wellington, New Zealand)

Summer Internship, Agent Based Modelling

Jul 2016 – Jul 2017

- Explored complexity systems/complexity economics to apply to the context of climate change
- Developed an agent based model to simulate the future rural land-use landscape in New Zealand

Pfizer Vietnam (Ho Chi Minh, Vietnam)

Assistant Finance Manager

Jul 2016 – Jul 2017

- Performed financial modeling for the commercial team to determine price strategy for new product launch
- Led monthly closing activities and prepared financial statements for management review
- Led yearly budget and planning activities with the commercial team

MD24 House Call (Healthcare) (Arizona, US)

Senior Financial Business Analyst

Jul 2015 – Jun 2016

- Led a team of 3 junior analysts to develop a business analysis framework to review key performance indicators on patient visits, market growth, bill collection and patient care

- Managed the IT project to develop the first-of-its-kind real-time dashboard for the management team to oversee business performance and communicate with clinicians on visits, reimbursements and payroll
- Performed ad-hoc financial modeling to support executive decisions on projects (such as renovate clinician compensation structure, expansion in ancillary services and durable medical equipment, pricing for optical products).

Minnesota Historical Society (Minnesota, US)

Finance Risk Management Intern

Oct 2014- Jul 2015

- Conducted annual financial risk report for the institution. Researched insurance coverage, analyzed insurance premium, asset value and loss. Interviewed business owners on risk mitigation plans, benchmarked with other institutions and state insurance plans.

Intel Corporation (Ho Chi Minh, Vietnam)

Senior Finance Analyst, Risk Management

Apr 2010 – Jul 2013

Finance Analyst, Risk Management,

Oct 2010 - Apr 2013

- Led annual risk assessment project. Acted as a risk consultant for two critical new product readiness projects at Intel Vietnam. Led cross-functional custom compliance project to ensure tax-privilege status for the company.
- Analyzed business processes to ensure Sarbanes Oxley 404 compliance, recommend process improvements and find cost-saving opportunities.

TECHNICAL SKILLS

Programming Languages

Python | SAS | R | STATA

ArcGIS | NetLogo

Data Analysis

Machine learning | Econometric

Credit risk modelling | Financial stress testing

Finance Modelling & Equity Research

Bloomberg | Fact Set

DataStream | Thomson Reuters

Miscellaneous

Agent based modelling | Spatial modelling

HONORS AND AWARDS

- **GRASFI Conference PhD Travel Scholarship**, University of Oxford, (2019)
- **Otago Business School Strategic Doctoral Scholarship**, University of Otago (2018-2020)
- **M.B.A. Full Scholarship**, University of Minnesota (2013-2015)
- **AmCham Scholarship**, American Chamber of Commerce (2010)
- **Dean Scholarship**, Foreign Trade University (2008-2010)

EXTRA CURRICULAR ACTIVITIES

- **Southern Heritage Trust** (Dunedin, New Zealand) | Financial Volunteer Consultant | Mar 2018 – Present
- **Nonviolent Peaceforce** (Minnesota, United States) | Financial Volunteer Consultant | Jun 2014- Oct 2014

REFERENCES

Associate Professor Ivan Diaz Rainey
Department of Accountancy & Finance
University of Otago
PO Box 56, Dunedin 9054, New Zealand.
Email: ivan.diaz-rainey@otago.ac.nz.

Dr. Duminda Kuruppuarachchi
Department of Accountancy & Finance
University of Otago
PO Box 56, Dunedin 9054, New Zealand.
Email: duminda.kuruppuarachchi@otago.ac.nz