**DESMOND CHIA**

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### **Profile**

Worked as an oil markets editor, analyzing and reporting on Asian oil products and petrochemical markets. Analyzed economics of arbitrage physical cargo movements across regions and market trends as well as running of petrochemical plants and their respective raw materials. Wrote market analyses and published daily price assessments. Did a thesis titled “An econometric analysis of the relationship between energy products: crude oil, natural gas and coal”, analyzing US markets datasets from 1990 - 2012 by utilizing dynamic linear vector autoregression model to model beta (first moment) and multivariate BEKK-GARCH to model volatility and spillovers across markets (second moment). Currently undertaking a 3-month junior full stack developer bootcamp course by Microsoft-Generation in HTML, CSS, Javascript, Bootstrap, Java.

###### Professional Experience

#### Singapore OutDoor Adventure Club (SODAC) Sep 2012 - Current

#### Founder - Organizer - Trek leader

* Founded club with over 2000 members
* Organized and led trekking, rock-climbing, water rafting expeditions to Malaysia’s forests and waterfalls
* Organized joint projects with People’s Association residents committee i.e. charity drive for old folks, jungle cleanups

#### MAMA cakes -- Authentic Hong Kong dessert -- Authentic Hepo Hakka Leicha July 2017 - Current

#### Owner

* Set up physical and online stores to sell baked pastries, Hong Kong desserts and thunder rice
* Garnered close to 10,000 regular patrons and still counting from all over the world

#### WANYOU - Specialist in kitchenware July 2015 - Current

#### Owner

* Sold online via Lazada, Carousell, Facebook
* Supplied stainless steel tables, mixers, blenders, rice cookers, ovens, mincers, cooking robots, vegetable cutting machines to customers such as restaurants, stalls, cafes, households

#### ICIS pricing (Singapore) Feb 2008 - Nov 2009

#### Refined Oil - Petrochemical Markets Editor

* Collated price and market information from industry sources in trading and operations.
* Analyzed trading such as economics of arbitrage physical cargo movements across regions and market trends
* Analyzed economics of running petrochemical plants and their respective raw materials like natural gas (ethane), liquefied petroleum gas (LPG), naphtha and jet.
* Wrote market analyses and published daily price assessments for respective reports. See below for past written articles

[Asia MTBE price rise, outlook linked to crude, Europe demand | ICIS](https://www.icis.com/explore/resources/news/2009/08/17/9240346/asia-mtbe-price-rise-outlook-linked-to-crude-europe-demand/)

[Asia naphtha market braces for oversupply, more discounts | ICIS](https://www.icis.com/explore/resources/news/2009/04/28/9211522/asia-naphtha-market-braces-for-oversupply-more-discounts/)

[NE Asia naphtha flips back to premiums on tight supply | ICIS](https://www.icis.com/explore/resources/news/2009/06/08/9222932/ne-asia-naphtha-flips-back-to-premiums-on-tight-supply/)

[Heavy naphtha premiums in Asia nears $50/t record high | ICIS](https://www.icis.com/explore/resources/news/2009/06/29/9228063/heavy-naphtha-premiums-in-asia-nears-50-t-record-high/)

#### KWC (Singapore) Jan 2003 – Dec 2007

#### Owner

* Clinched Asian distributorship for Ethical Nutrients (USA) health supplements and subsequently launched own brand.
* Prepared/submitted tablet composition and laboratory test results to regulatory authorities in accordance with Health Act.
* Sourced for raw material suppliers (New Zealand), packaging material (US, Malaysia) and manufacturing plants (US).
* Planned all distribution outlets, marketing and budgeting.
* Liaised and negotiated with pharmaceutical buyers and doctors over rental of shelve spaces, advertisements, selling prices, promotion and commissions.

**Standard & Poor’s - Platts (Singapore) Jan 1998-Sep 2000**

##### Oil Markets Editor

* Collated price and market information from industry sources in trading and operations.
* Analyzed trading such as economics of arbitrage physical cargo movements across regions and market trends.
* Was attached to light (naphtha/mogas), middle (gasoil/jet), heavy (fuel oil) distillates, bunkers and shipping desks.
* Wrote market analyses and published daily price assessments for respective reports.
* Advised state-owned oil corporations in China and Taiwan on contracts / trading mechanisms.

### **Education**

**Microsoft-Generation Junior Full-Stack Developer course Mar 2022 - current**

* + 3 month intensive bootcamp
  + GitHub, HTML, CSS, Javascript, NodeJS, Bootstrap, Java
  + Project made use of above programs to link front-back end for an online selling platform

### **School of Energy and Resources Australia Jan 2010 - Jan 2013**

### **University College London**

## (PhD – NOT AWARDED (pending acceptance by new supervisor))

* + Thesis: An econometric analysis of the relationship between energy products: crude oil, natural gas and coal
  + Analyzing US crude oil, natural gas and coal markets datasets (1990 – 2012)
  + Utilizing dynamic linear (Kalman smoother) vector autoregression (VAR) model to model beta i.e. first moment
  + Multivariate BEKK-GARCH to model volatility and spillovers across markets i.e. second moment
  + Testing variables such as USD, interest rates, S&P500, seasonality, events, heating/cooling degree days (hdd/cdd)
  + Testing for stationarity using Augmented Dickey-Fuller
  + Using Bai-Perron to model any structural breaks in multivariate regression models
  + Econometric software used - Eviews / RATS (Regression Analysis Time Series) which requires matrix coding
  + Currently taking basic python programming courses to use machine learning to forecast more accurate prices

### **William E. Simon Graduate School of Business Administration Sep 2000 - Jun 2002**

### **University of Rochester, Rochester, New York**

## Master of Business Administration (MBA)

* Finance, Financial Statement Analysis, Corporate Strategy, Economics, Statistics.
* Valuation of stocks and companies using financial discounted cash flow models.
* Dean’s list (Spring 2001, Winter 2002)

## National University of Singapore, Singapore Jul 1994 – Dec 1996

**Bachelor of Business Administration (Merit)**

## Skills

* + Computer: Proficient in Microsoft Excel, Word, Access and PowerPoint.
  + Languages: Proficient and well versed in English, Mandarin Chinese, Cantonese. Conversant in other Chinese dialects.

# Activities

* Piano, rock climbing, trekking, trail-running, backpacking, traveling.
* Trained with Outward Bound (USA) and National Outdoor Leadership School (NOLS – USA).
* Goju-ryu Karate 1st Dan black belt
* Singapore citizen
* Australian permanent resident (to apply for resident return visa subclass 155 if required)