

Mike CY Ngan

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EMPLOYMENT HISTORY

Enova International (Enova Financial)

Analytics Senior Associate, Head of North America & Australia Fraud Analytics Sep 2015 - Present

- Managed a team of analysts and operational specialists to mitigate risk in all of Enova's North America and Australia products
- Worked with business owners to make business decisions through analytics

Analytics Associate, Head of U.S. Fraud Analytics

Jun 2014 - Sep 2015

- Utilized analytics and machine learning techniques on large sets of loan and customer data to predict and reduce default rates
- Used A/B tests to perform hypothesis testing on new loan applications to create appropriate strategies to mitigate fraud rates

Atlantic Trading USA

Senior Quant

Jan 2012 - Jun 2014

- Worked on proof-of-concept of new trade ideas and business development plans
- Used large datasets of historical financial data to statistically test and refine algorithmic trading strategies

Risk Manager, Oil and Natural Gas Group

Jan 2011 - Jan 2012

- Designed and coded software to generate real-time risk reports that reduced reporting time from daily to instantaneously
- Created an Excel/VBA risk manager tool to generate reports on positions consisting of an array of derivatives across the energy complex

Options Market Maker, Interest Rate Group

Jun 2007 - Jan 2010

- Made markets on Eurodollar Options electronically and in the trading pit
- Mitigated overall group risk by hedging unnecessary volatility and directional exposures using options and futures

NASA (John H. Glenn Research Center)

Algorithm Design Intern, Controls and Dynamics Branch, Cleveland, OH

Summer 2006

- Designed algorithm used by helicopter pilots to predict Sikorsky UH-60 Black Hawk engine power potential while in flight
- Performed regressions on Black Hawk engine output data from a range of engine instruments
- Paper based on work: "Automated Power Assessment for Helicopter Turboshift Engines." 64th Annual Forum and Technology Display (AHS Forum 64). (2008) NASA/TM2008-215270

EDUCATION

University of Chicago (Booth School of Business)

Masters of Business Administration Candidate

Mar 2014 - 2017 (expected)

- Concentrations: Econometrics and Statistics, Economics, Finance, & Strategic Management
- Dean's Honor List, Chicago Booth Admission Committee, Founder and Chair of the Chicago Booth Running Group, LAUNCH Mentor

University of Illinois at Urbana-Champaign (College of Engineering)

Bachelor of Science in Aerospace Engineering minor Computer Science, GPA: 3.3 Aug 2003 - June 2007

- Engineering James Scholar (academic based) & Dale S. Margerum Award recipient
- Studied abroad at the Universit di Pisa through the International Engineering Fellowship

COMPUTING PROFICIENCY, LICENSES, AND CERTIFICATIONS

- CFA Charterholder (Passed all 3 exams on first attempt)
- Computing languages: Python, C/C++, Java, VBA
- Software packages: Office, SQLs (Primarily PostgreSQL), Mathematica, R, Git
- Fluent spoken Cantonese
- Former member of CME, CBOT, and FINRA/CBOE Series 56 holder