

# JOMA

2A HONOURS MATHEMATICS – COMPUTER SCIENCE MAJOR

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Student ID: 00000000

## ABOUT ME

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**Technical Skills** C/C++, Python, Java, Unix/Linux, Excel VBA, MySQL, Scheme,  $\text{\LaTeX}$

**Languages** Fluent in French; Conversational Proficiency in Cantonese

**Art Technology** Adobe Photoshop, Adobe Premiere Pro, Illustrator

**Interests** Digital Art, Cinematography, Photography, Design, Poker

## WORK EXPERIENCE

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### Statistics Canada

Enumerator, Census 2011

Montreal, QC (Summer 2011)

- Helped and convinced respondents in their dwellings to fill in the census forms
- Fixed discrepancies in respondents answers to prevent anomalies in the 2011 Census
- Managed and sorted census report in Statistics Canada's online database

### McDonald's, Aramark Canada, Compass Group

Cashier, Food Services

Montreal/Waterloo, QC/ON (June 2009 - April 2013)

- Worked in various food services company as a part time job during studies
- Provided excellent customer service while executing quick transactions with accuracy in a stressful and fast paced environment
- Maintained a sanitary workplace abiding to Canada's Food and Drugs Act and Regulations

## COMPETITIONS AND PERSONAL PROJECTS

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### Rotman International Trading Competition

(February 2013)

- Developed quantitative strategies and applied them during the competition against undergraduate and graduate students from schools around the world
- Implemented Excel VBA macros to facilitate trading and to datamine the simulated cases for research
- Wrote a bot for the Algo Case in VBA using their RIT client API that optimizes asset liquidation and profit from arbitrage

### Prism Trading Competition

(March 2013)

- Competed in the simulated Sales and Trading Case using the RIT software winning first place (1/12)
- Calculated profitability of large orders using VWAP while market making.
- Provided liquidity to the market, to profit from competitors large market orders.

### Intrade

(December 2012)

- Wrote an algorithm in Python to trade DOW contracts using Black-Scholes binary option pricing.
- Automated trades using the Intrade API which required the use of XML processing using ETree libraries
- Data mined live feed from various websites for live Index Pricing and Volatility by parsing HTML

### Poker

(December 2011 - January 2012)

- Simultaneously played 24 cash game tables with 0.01\$/0.02\$ blinds on PokerStars
- Played over 200,000 hands with 500\$+ profits with rakeback bonus (5bb/100)
- Recorded every hand played using HoldemManager and statistically analyzed my unprofitable plays and opponents weaknesses to potentially take advantage of them

## EDUCATION

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### University of Waterloo

Waterloo, ON (2012–Present)

- Honours Bachelor of Mathematics (Computer Science)
- Cumulative Average: 93%
- Honors: Dean's Honours List

### Marianopolis College

Westmount, QC (2010–2012)

- Pure and Applied Science DEC
- Cumulative Average: 93%