

KEVIN CHOU

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EDUCATION

M.Sc. Statistics — GPA 3.8/4.0

September 2012 - June 2013

University of Toronto, Toronto, Ontario, Canada

- Courses Include:

- Data Mining & Machine Learning
- Advanced Monte Carlo Methods
- Statistical Computation
- Stochastic Models in Investments

B.Sc. Mathematics and Statistics — GPA 3.9/4.0

September 2006 - June 2012

McMaster University, Hamilton, Ontario, Canada

- Graduated Summa Cum Laude

EMPLOYMENT HISTORY

Financial Data Analyst

September 2013 - Present

Strategic Analysis Corporation – Toronto, Ontario, Canada

- Independently developing and carrying out several research projects under minimal supervision.
- Retrieve data for analysis from Standard & Poor's Xpressfeed database by writing complex SQL queries in Microsoft SQL Server. Examples include joining several time series tables of differing frequencies, as well as imputing any missing values.
- Evaluate the performance of the company's propriety trading strategies through backtesting using statistical techniques such as logistic regression.

Teaching Assistant

September 2012 - April 2013

University of Toronto – Toronto, Ontario, Canada

- Organized and led tutorials for second-year level statistics courses, with 40 students per section
- Designed and graded weekly quizzes, midterms and exams, providing feedback to students in order to strengthen their understanding of statistical inference and survey sampling.
- Supported students experiencing difficulties in the course through regular office hours and meetings

Research Assistant

May 2011 - April 2012

McMaster University – Hamilton, Ontario, Canada

- Coded programs to extract variables of interest from raw ECG data, such as heart rate and heart rate variability, and performed statistical analysis using MATLAB and R.
- Analyzed and presented papers in the field of biophotonics to fellow peers and supervisors on a biweekly basis.

PROFESSIONAL DEVELOPMENT

Completed courses from Coursera.org:

Machine Learning - Stanford University

Introduction to Data Science - University of Washington

An Introduction to Interactive Programming in Python - Rice University

Computational Investing, Part I - Georgia Institute of Technology

Published Android Applications:

<https://play.google.com/store/apps/developer?id=Kevin+Chou>

SKILLS & EXPERTISE

Programming: R, Python, SQL (T-SQL), Java, MATLAB, HTML/CSS, Git, L^AT_EX

Software: Emacs, Microsoft SQL Server/Excel/Access

LANGUAGES

English, Conversational Mandarin