Lok Hei NG

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Education

University of Illinois Urbana-Champaign   Expected Graduation:
Master of Science: Mathematics   May 2016
Relevant courses taken:

The Chinese University of Hong Kong —Hong Kong   May 2015
Bachelor of Science: Mathematics   GPA : 3.34
Concentration: Computational and Applied Mathematics
Honours: Second Class Upper Division
Relevant courses taken

Computer Skills

- Programming Languages:
    - Intermediate **Java, MATLAB, C++**
    - Basic **HTML, Python, SQL**
- Intermediate Microsoft SQL Server Management Studio

Languages

Mandarin (Fluent) and Cantonese (Native)

Experience
Leadership

Private Tutor   Hong Kong and Champaign, Illinois
                                                               Sep 2012 - present

- Engaged in teaching of high school and undergraduate Mathematics
- Explained mathematical concepts and evaluated students understandings
- Planned and prepared weekly class materials, including notes and specific kind of exercises according to the students weaknesses
- Provided instruction and guidance if students got stuck in the problems
- Marked the exercises and gave constructive feedback

The Chinese University of Hong Kong   Hong Kong
Teaching Assistant   Jul 2013 - Aug 2013

- Engaged in teaching on all (or most) of the days of the course Complex Geometry which meet 3 times a week of 15 high school students
- Explained mathematical concepts and evaluated students understandings
- Planned and prepared class materials, including notes and exercises
- Provided instruction and guidance if students got stuck in the problems
- Organised classroom lessons and activities
- Assisted in setting up problems for quizzes and examination
- Marked the exercises, quizzes and examination and gave constructive feedback

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The Chinese University of Hong Kong | Hong Kong
Mathematics Club Committee Member | Jan 2013 - Jan 2014

- Organised activities for mathematics club members
  - Invited professors to come to photo days and take photos with graduating math students
  - Asked for sponsoring and prepared refreshments for photo days
  - Decided and rent movies for movie nights
- Promoted the activities of the club to the Math students
  - Sent massmail
  - Wrote promoting messages on the board before classes begin
  - Invited math students to participate in our activities

Selected coursework

Project in the course Introduction to Data Science | Hong Kong
Analysing Trip and Travel Time for a Public Transit System | Mar 2013 - Apr 2013

- Wrote a java program of about 350 lines to
  - Extract data (for examples, ID of a tram and its arrival time at different stops) from a database provided by the tram company in Hong Kong using SQL commands
  - Analyse statistics
  - Create an excel file to record the results
- Extracted and accounted for patterns (for examples, peak hours) from the results

Working Experience

Target | Foster City, California
Sales Floor Team Member | Jul 2015 - Aug 2015

- Provided fast, fun and friendly service
- Maintained a clean, great-looking store
- Delivered accurate product placement, pricing and labels
- Learned new technology
- Arranged items on shelves neatly
- Used proper equipment and techniques to relocated merchandise
- Acted quickly to resolve guest concerns
- Scanned and Bagged Quickly and accurately all items and collected payment

Award and Scholarship

Mathematics Scholarship | Sep 2012
Dr. S.T. Tsou Memorial Prize (for outstanding academic results) | Mar 2014