

Guanyu Chen

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EDUCATION

North Carolina State University Raleigh, NC
MS in Financial Mathematics (expected graduation: Spring 2010)

Hong Kong Baptist University Hong Kong, China
BS in Applied and Computational Mathematics (12/2004 – 06/2008)

- **Minor in Finance**
- Relevant coursework:
 - Mathematics: Mathematical analysis, Algebra, PDEs, Probability theory, Structured programming, Numerical analysis, Numerical methods for solving PDEs
 - Finance: Financial accounting, Investment analysis, Investment management,
- **Awards:** Full scholarship
 - Hong Kong Jockey Club Scholarship (04-05, 05-06, 06-07, 07-08)
- **Honor Project Thesis:** *Effective Condition Number as estimation to accuracy of RBFs*

Nanjing University (09/2004 – 12/2004) Nanjing, China

- Transferred to Hong Kong Baptist University with full scholarship in December 2004

EXPERIENCE

Department of Mathematics, North Carolina State University Raleigh, NC
Research Assistant (09/2008 – present)

- Implementing immersed interface method on PDEs through Matlab programming

Department of Mathematics, Hong Kong Baptist University Hong Kong, China
Research Assistant (06/2007 – 08/2007)

- Conducted independent research work on elliptic PDEs to analyze the blow-up problem
- Implemented the Multiquadric method through Matlab programming

Nantong Branch, China Mobile Limited Nantong, China
Operation Research Intern (06/2006 – 08/2006)

- Simulated daily operation and optimized the service schedule for front offices
- Prepared performance report of branch companies for general manager on weekly basis

COMPUTER & LANGUAGE SKILLS

Programming languages: C/C++, MATLAB
Language: English (fluent), Mandarin (native), Cantonese (fluent), Spanish (beginner)

OTHERS

Quantitative ranked top 6% in Graduation Record Examination (GRE) (10/2007)
Mathematics ranked top 5% in National College Entrance Examination (06/2004)