

Eric Fu

CONTACT INFORMATION	Department of Mathematics University of North Carolina at Chapel Hill 406 Phillips Hall, Campus Box 3250 Chapel Hill NC 27599-3250 USA	+1 (919) 448-7112 www.ericchfu.com ericchfu@email.unc.edu
EDUCATION	University of North Carolina Doctor of Philosophy, Pure Mathematics	Chapel Hill, NC August 2008 – Present
	University of Michigan Bachelor of Science, Mathematics & General Physics with Distinction (CGPA: 3.73/4.00 ¹)	Ann Arbor, MI September 2004 – April 2008
	MARA University of Technology Post-secondary Education (CGPA: 3.83/4.00)	Shah Alam, MALAYSIA August 2003 – August 2004
PROFESSIONAL EXAMS	Society of Actuaries <ul style="list-style-type: none">• Exam P (Probability)• Exam FM (Financial Mathematics)	May 2005 May 2006
ACADEMIC EXPERIENCE	Department of Mathematics University of Michigan <i>Independent Study on Modern Differential Geometry</i> <ul style="list-style-type: none">• Explored Maxwell Equations, differential form, exterior derivative, and the Hodge star operator with advisor Dr. David Radnell. Undergraduate Summer School Park City Mathematics Institute <i>Mathematics Workshop on Low Dimensional Topology</i> <ul style="list-style-type: none">• Attended lectures, conducted mini research, and participated in problem sessions.	Ann Arbor, MI January 2006 – June 2006 Park City, UT June 2006 – July 2006
TEACHING EXPERIENCE	Department of Mathematics University of North Carolina <i>Mathematics Tutor</i> <ul style="list-style-type: none">• Tutored by listening to the students' problems, identifying the root of problems, and employing appropriate methods to elucidate relevant concepts.• Courses tutored: College algebra, elementary calculus, multivariable calculus, and differential equations. Mastery Project, Mathematics BBA Program, Ross School of Business <i>Academic Coach</i> <ul style="list-style-type: none">• Guided students in developing personal habits and skills that assure mastery in future courses.• Compiled a calculus course pack² and assigned graded homework to help students excel on course assessments.• Drafted mock exams and held review sessions to prepare students for exams.• Courses coached: Pre-calculus and single variable differential calculus.	Chapel Hill, NC August 2008 – Present Ann Arbor, MI September 2006 – April 2008

¹Mathematics GPA: 3.75/4.00

²Available upon request.

Department of Mathematics Ann Arbor, MI
University of Michigan January 2005 – April 2008
Mathematics Tutor

- Helped students understand introductory mathematics courses better.
- Courses tutored: Elementary calculus, multivariable calculus, elementary analysis, linear algebra, differential equations, and financial mathematics (interest theory).

Department of Physics Ann Arbor, MI
University of Michigan May 2006 – June 2006
Physics Tutor

- Guided students to understand conceptual ideas and solve analytical problems.
- Courses tutored: Classical mechanics, electrodynamics, and thermodynamics.

Department of English Language Alor Star, MALAYSIA
Keat Hwa Secondary School August 2004
Temporary Teacher

- Taught 4th and 5th formers³ ESL (English as second language).
- Designed interactive lessons to hone students' oral and reading skills.

WORKING
EXPERIENCE

Department of Mathematics Chapel Hill, NC
University of North Carolina August 2008 – Present
Course Grader

- Assisted professors in grading assignments and quizzes.
- Course graded: Multivariable calculus.

Department of Mathematics Ann Arbor, MI
University of Michigan September 2005 – April 2008
Course Grader

- Graded assignments and established office hours for students.
- Course graded: Matrix algebra, differential equations, and elementary analysis.

University Electronic Reserves Ann Arbor, MI
Shapiro Undergraduate Library July 2005 – December 2007
Digital Production Assistant

- Cited and scanned book excerpts requested by professors for university courses.
- Compiled statistics for the usage of scanned items posted by University Reserves.

Division of Technical Processing Ann Arbor, MI
Dentistry Library May 2005 – August 2005
Technical Processing Assistant

- Maintained and updated database of monographs and journals for public access.
- Implemented and supported the bar-coding project for greater accessibility.

HONORS AND
AWARDS

Department of Mathematics Ann Arbor, MI
University of Michigan April 2008
Leon P. Zukowski Prize for Outstanding Mathematics Tutoring Service

Public Service Department Putrajaya, MALAYSIA
Government of Malaysia February 2003
A Full Undergraduate Scholarship in an Accredited U.S. University

³U.S. 11th and 12th graders equivalent in secondary education.

SERVICE AND
ACTIVITIES

Malaysian Students Association
University of Michigan

Ann Arbor, MI
September 2005 – August 2006

Secretary

- Prepared and distributed minutes of board meetings.
- Assisted the President in conducting regular board meetings.
- Communicated with the university administrators and the Malaysian Students Department in Chicago, Illinois with a formal capacity.

ADFP Math Week
MARA University of Technology

Shah Alam, MALAYSIA
September 2005 – August 2006

Program Director

- Delegated tasks to committee members and collaborated with faculty members.
- Held a math competition and led social activities to increase participants' awareness in the elegance and application of mathematics.

LANGUAGES

- Fluent in L^AT_EX typesetting system and basic HTML.
- Speak English, Mandarin, and Malay Language articulately.
- Proficient in intermediate French and Cantonese.

REFERENCES

Mathematics

- Professor Bert Alan Taylor, *Professor of Mathematics*
Department of Mathematics, University of Michigan
4858 East Hall, 530 Church Street, Ann Arbor MI 48109-1043, USA
e-mail: taylor@umich.edu, phone: +1 (734) 936-9992
- Professor David Radnell, *Assistant Professor of Mathematics*
Department of Mathematics and Statistics, American University of Sharjah
P.O. Box 26666, Sharjah, UNITED ARAB EMIRATES
e-mail: dradnell@aus.edu, phone: +971 5152906

Physics

- Professor Timothy McKay, *Arthur F. Thurnau Professor of Physics*
Department of Physics, University of Michigan
351 West Hall, 450 Church Street, Ann Arbor MI 48109-1040, USA
e-mail: tamckay@umich.edu, phone: +1 (734) 763-1462
- Professor Roy Clarke, *Professor of Physics*
Department of Physics, University of Michigan
267 West Hall, 450 Church Street, Ann Arbor MI 48109-1040, USA
e-mail: royc@umich.edu, phone: +1 (734) 764-4466

Teaching

- Irina Arakelian, *Director of Mathematics Laboratory*
Department of Mathematics, University of Michigan
3859 East Hall, 530 Church Street, Ann Arbor MI 48109-1043, USA
e-mail: arakel@umich.edu, phone: +1 (734) 936-1775
- Katie McCartney, *BBA Academic Advisor*
BBA Program Office, Stephen M. Ross School of Business, University of Michigan
2613 Executive Residence, 710 E University Ave, Ann Arbor MI 48109-1234, USA
e-mail: kmccart@umich.edu, phone: +1 (734) 612-7395