

JOHN QUAH

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EDUCATION

University of Maryland

College Park, MD

- M.S. in applied mathematics, December 2007. Advisor: Professor Eugenia Kalnay.
- Ph.D. expected June 2009. Advisor: Professor Dionisios Margetis.

Bates College

Lewiston, ME

- Graduated summa cum laude with a B.S. in mathematics, May 2003.

EXPERIENCE

University of Maryland

College Park, MD

Teaching Assistant, Department of Mathematics (Fall 2005 and present)

- led one-hour discussion sections four times a week
- graded tests and weekly quizzes
- held three office hours each week for out-of-class help

University of Maryland

College Park, MD

Research Assistant, Department of Atmospheric and Oceanic Sciences (Spring 2006)

- wrote FORTRAN code to implement data assimilation schemes for weather models
- reviewed grant proposal for continued support of the GOES-R satellite projects

Bates College

Lewiston, ME

Tutor (Fall 2000–Spring 2003)

- provided out-of-class help to students in introductory and upper-level math and physics courses.

Temple University

Philadelphia, PA

Research Assistant, Department of Mathematics (Summer 2002)

- worked in a 6-member team, solving a linear algebra problem prompted by a mathematical model of composite materials, under the guidance of Dr. Yury Grabovsky.

Bates College

Lewiston, ME

Computer Help Desk Assistant (Fall 2000–Spring 2001)

- assisted campus computer users, over the telephone or in person, with hardware and software problems.

Oklahoma State University

Stillwater, OK

Laboratory Assistant, Department of Engineering (Summer 2001)

- supported the ongoing opto-electronics research of Dr. Alan Cheville by designing and constructing experimental components, stress-testing ceramic ball bearings, and beta-testing new techniques in photonics laboratory instruction.

RESEARCH INTERESTS

- morphological evolution of crystal surfaces
- numerical aspects of boundary value problems