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## Personal

Place of Birth Lachine, Canada  
Citizenships United States (Naturalized December 1999), Canada  
Languages Fluent in English and French

## Education

Ph.D. Mathematics, Brandeis University, May 2004  
Thesis: Immersed Curves and Links in Orientable Thickenings  
Advisor: Jerome Levine  
S.M. Media Arts and Sciences, Massachusetts Institute of Technology, May 1990  
B.Sc. Biology, University of Ottawa, May 1978

## Employment

2005-Present Brandeis University, Lecturer. Instructor for various classes. Course coordinator for freshman calculus.  
2004-2005 Lesley University, Assistant Professor. Instructor for mathematics classes at all levels. Develop new curriculum offerings. Participate in the selection of the 2005 freshman class.  
1999-2004 Brandeis University, Instructor. Instructor for sections of the main calculus sequence. Assisted in teaching upper-level classes. Mentored beginning instructors.  
1999 Tellabs Research Center, Research Associate. Created and applied fiber optic (SONET) network layout optimization software.  
1994-1997 Dun&Bradstreet. Senior Scientist. Created data mining methods and algorithms for relational databases. Applied data mining methods to credit card data for cross-marketing.  
1990-1994 Thinking Machines Corporation. Senior Scientist. Created data mining methods. Designed \*Lisp compiler for the CM-5 supercomputer. Researched the creation of reactive planning agents.  
1985-1990 Massachusetts Institute of Technology. Research Assistant. Researched enhancing children's learning of activity planning through programming Lego robots.

- 1983-1985 Logo Computer Systems. Senior Designer/Developer. Created LOGO graphic programming system for all Z80 processors-based personal computers. Managed a team of three developers.
- 1979-1983 Services Convertto-Braille. Assistant Director of Research. Created computerized portable braille embosser with graphic capabilities. Created microprocessor-based level 2 abbreviated English braille encoding system,

## Fellowships

- Summer 2003 Research fellowship at Brandeis University.
- Summer 2002 Teaching fellowship at Brandeis University.
- Summer 2000 Study fellowship at Brandeis University.
- 1999-2004 Teaching fellowship at Brandeis University.
- 1988-1990 Research fellowship at the Massachusetts Institute of Technology.

## Patents

1. "Parallel System and Method for Generating Classification/Regression Tree." Filed March 1995. Issued January 1999.
2. "Computer System and Computer-Implemented Process for Creating Database Segmentation Information in a Relational Database." Filed March 1996. Pending.
3. "Computer System and Computer-Implemented Process for Applying Database Segment Definitions to a Relational Database." Filed March 1996. Pending.
4. "Graphical User Interface for Visualizing Data Segments in a Computer Database." Filed March 1996. Pending.

## Teaching Experience

Brandeis University (Fall 2000–Spring 2008) Pre-Calculus, Calculus I, Calculus II, Multivariate Calculus, Differential Equations, Analysis I, Analysis II, Introduction to Statistics, Linear Algebra

Lesley University (Fall 2004–Spring 2005) Abstract Algebra, Statistics, Quantitative Reasoning

## Professional Activities

- 2002-2003 Member of the Mathematics Graduate Student Council.
- 1999-Present Member of the American Mathematical Society.

## References

Ruth Charney (charney@brandeis.edu), Kiyoshi Igusa (igusa@brandeis.edu), Susan Parker (parker@brandeis.edu), Daniel Ruberman (ruberman@brandeis.edu).