

# 1 Personal Data

Hazel J. Webb  
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## Education

**University of New Brunswick, Saint John**  
PhD (Computer Science)  
2005 - present

**University of New Brunswick, Saint John**  
Master of Computer Science  
May 2005

**University of New Brunswick, Saint John**  
Bachelor of Science in Data Analysis (Computer Science) First Division  
May 2001

## Awards

1996 - 1997 Award of Distinction  
1999 - 2000 Named to Dean's List  
2000 - 2001 Named to Dean's List  
Florence L. Murray Memorial Scholarship  
Christopher Cusak Data Analysis Prize  
Lieutenant Governor of New Brunswick Silver Medal  
2007 UNB Saint John Departmental Award for Teaching Excellence  
2007 - 2009 New Brunswick Innovation Fund Research Grant \$10,000/year  
2007 - 2009 Quebec/NB Cooperation in Advanced Education and Research Grant

## **Employment History**

### **1990 - 1997 Teacher Assistant**

Atlantic Provinces Special Education Authority

Provided classroom support to profoundly deaf students in various Saint John area schools.

### **August 2002 - July 2003 Instructor**

UNB Saint John. 12 month term position.

### **August 2003 - July 2004 Instructor**

UNB Saint John. 12 month term position.

### **August 2004 - July 2005 Instructor**

UNB Saint John. 12 month term position.

### **August 2005 - July 2006 Instructor**

UNB Saint John. 12 month term position.

### **August 2006 - July 2007 Instructor**

UNB Saint John. 12 month term position.

## **Professional Society**

IEEE Computer Society member

ACM SIGMOD member

## 2 Teaching Experience

### 2007 Fall

Lab assistant	CS3323	Intro to Data Structures	10 students
Lab assistant	CS1073	Intro to Computer Programming in Java	39 students

### 2007

Winter	CS1073	Intro to Computer Programming in Java	18 students
	CS1083	Computer Science Concepts (Java)	33 students
	CS4613	Programming Languages	15 students (stipend)
	CS4983	Technical Report II	9 students (stipend)

### 2006

Fall	CS1073	Intro to Computer Programming in Java	35 students
	CS1003	Intro to Computer Programming	27 students
	CS3983	Technical Report Writing	10 students
	CS4983	Technical Report II	7 students (stipend)
	CS4993	Honours Project	1 student (stipend)
	DA4993	Data Analysis Project	1 student (stipend)
Spring	CS3513	Database Management Systems I	10 students (stipend)
Winter	CS1083	Computer Science Concepts (Java)	23 students
	CS4525	Database Management Systems II	4 students

### 2005

Fall	CS1073	Intro to Computer Concepts in Java	17 students
	CS3513	Database Management Systems I	11 students
Spring	CS2013	Software Engineering I	4 students (stipend)
Winter	CS1083	Computer Science Concepts (Java)	40 students
	CS3983	Technical Report Writing	9 students
	CS4525	Database Management Systems II	15 students
Guest lectures	SCI2202	Intro to Geographic Information Systems	2 students

### 2004

Fall	CS1073	Intro to Computer Concepts in Java	25 students
	CS3513	Database Management Systems I	17 students
	CS3983	Technical Report Writing	15 students
Winter	CS1073	Intro to Computer Concepts in Java	40 students
	CS3983	Technical Report Writing	30 students
	CS4525	Database Management Systems II	18 students

### 2003

Fall	CS1073	Intro to Computer Concepts in Java	53 students
	CS3513	Database Management Systems I	23 students
Winter	CS1073	Intro to Computer Concepts in Java	51 students
	CS3983	Technical Report Writing	24 students
	DA4503	Database Management Systems II	6 students

### 2002

Fall	CS1073	Intro to Computer Concepts in Java	68 students
	CS1303	Discrete Mathematical Structures I	27 students
Spring	CS1303	Discrete Mathematical Structures I	28 students (stipend)
Winter	CS3983	Technical Report Writing	22 students (stipend)

## **Training**

Received Diploma in University Teaching May 2003.

## **3 Research**

Master's thesis: An Efficient Data Structure for Searching Large Almost Static Data Sets

## 4 Publications

Hazel Webb and James Stewart “Parallelizing Existing Code for Shared and Distributed Memory Architectures Using OpenMP and MPI” *APICS Mathematics/Statistics and Computer Science Joint Conference*, St. Francis Xavier University, October 2001.

Hazel Webb “ Interpolation B+ tree: an efficient file structure with which to store and search large almost static data sets” *APICS Mathematics/Statistics and Computer Science Joint Conference*, UNB Saint John, October 2004.

Hazel Webb “ Properties and Applications of Diamond Cubes” *ICSOFT International Conference on Software and Data Technologies*, Barcelona Spain, July 2007.

### Conferences attended

HPCS 2002 The 16<sup>th</sup> Annual International Symposium on high Performance Computing Systems and Applications, Moncton

VLDB 2004 30<sup>th</sup> International conference on Very Large Databases, Toronto.

## 5 Service

### December 2005 & 2006

Presented Computer Science degree options to Grade 12 students at Harbour View High School.

### April & December 2006 Women in IT

Helped organize a one-day event for 178 Grade 9 female students.

### February & October 2005 SASE Open House

Presented Computer Science options for potential UNB Saint John students

### July 2005 & August 2006 SASE Science and Sport Camp

Developed and presented Computer Science session.

### 2004 - 2007

Level I Committee

### Computer Science Spring Workshop 2004 - 2006

Organized and presented various computer science activities to local area high school students in one-day workshops.

**October 2004**

Assisted with UNB Saint John Programming Competition.

**2003 - 2004**

Instructional and Information Technology Services Committee  
Technology Fee Committee

**2002 - 2007 International transfer credit advisor**

- Assessed credits obtained at international institutions for transfer to BScCS degree
- Advised international students regarding course and program choices
- Assessed courses offered at institutions in India and Malaysia for block transfer credit into BScCS degree

**Undergraduate Supervision****Fall 2006**

Supervised Senior Technical Reports for 2 students  
Co-supervised Data Analysis Project for 1 student

**Winter 2006**

Co-supervised Honours Project for 1 student

**Winter 2005**

Supervised Senior Technical Reports for 2 students

**Fall 2004**

Supervised Senior Technical Reports for 3 students

**Summer 2004**

Honours Project committee member for 1 student

**Winter 2004**

Supervised Senior Technical Reports for 3 students

**Course Related Service****Winter 2004**

Revised course content of CS4525 Database Management Systems II to include PHP programming.

**Winter 2002**

Revised course content of CS3983 Technical Report Writing I to incorporate instruction in L<sup>A</sup>T<sub>E</sub>X