

# Jay S. Silver

jay@jaysilver.net

## Purpose

Seeking 2006 summer position with an organization that has high values. Community, non-profit, and education are a plus though not a must. Military and weapons are a no-no. Pay is deemphasized.

## Education

**MIT** – Ph.D candidate in Electrical Engineering and Computer Science 9/2004 – current  
Topic: **Educational and affective technologies and computer vision**

**Cambridge University** – Master’s in Computer Speech, Text, & Internet Tech. 9/2002 – 8/2003  
Thesis: Data Classification – Bayes’, SVM, Minimax Probability Machine

**Georgia Institute of Technology** 9/1998 – 5/2002  
Major: Bachelor’s in Electrical Engineering Total GPA: 3.955/4.0  
Specialization: Digital Signal Processing Major GPA: 4.0/4.0  
Minor: Industrial/Organizational Psychology

## Work Experience

Employer: Florida Metropolitan University Melbourne, FL  
Position: **Statistics Professor** 1/2004 – 4/2004  
Motivate & teach intro. statistics to students from varied backgrounds. Create pedagogical accessories

Employer: Dr. Bill Ross, Lincoln Laboratory Lexington, MA  
Position: **Computer Vision Graduate Summer Researcher** 5/2002 – 8/2002  
Prototype a mobile autonomous navigation system: space variant and mult. res. vision, shortest path to goal

Employer: Bob Morton, Georgia Tech – Freshman Experience Program Atlanta, GA  
Position: **Learning Assistant (tutor)** 9/2001 – 5/2002  
Helping freshmen students learn calculus, chemistry, physics, computer science, and regular life problems

Employer: Professor William Schafer, U. Cal. San Diego Bio. Dept. San Diego, CA  
Position: **Image Processing Consultant** and Undergraduate Research Assistant 5/2001 – 8/2001  
Development of nematode behavior quantification system in C and MATLAB using PCA and comp. vision

Employer: Professor Ronald Schafer, Georgia Tech EE Dept. Atlanta, GA  
Position: **Undergraduate Research Assistant** 9/2000 – 5/2002  
Analyze nematode tracking problems and algorithms in C++ using image processing and morphology

Employer: Professor Rena Brakebill, Georgia Tech Math Department Atlanta, GA  
Position: **Teaching Assistant** for Calculus 9/2000 – 12/2000  
Teach recitation and hold office hours to assist students in understanding lectures 9/2001 – 12/2001

Employer: BellSouth Melbourne, FL  
Position: **Network Specialist** 6/1999 – 5/2000  
Secondary network design with copper, fiber, DSL, Pair Gain, etc.

## Volunteer Experience

<b>Sivananda Yoga Teacher</b>	Traditional Hatha Yoga	2004 – Present
<b>One on One Tutoring</b>	Many Subjects, more than 1000 hours	1996 – Present
<b>Video Spot 1 Host</b>	College T.V. Network Music Video Show	2000 – 2002
<b>Camp Counselor</b>	Recreation Center Day Camp, 3 weeks	1998
<b>Soccer Coach</b>	12 & Under Rec. Soccer League, 2 seasons	1997-1998

## Scholarships/Awards

**National Science Foundation** Graduate Research Fellow (2003-present), **Gates Scholarship** for tuition and stipend to study computer speech at Cambridge University (2002), Georgia Tech **Engineer of the Year** (2002), Intel Microprocessor Research Labs Grant (2001) and 2<sup>nd</sup> place in Intel national undergraduate research contest (2002), International Engineering Consortium Award for Student Excellence (2002), 1<sup>st</sup> place in The Mechanical Challenge (2001), Cravey Green Wahlen Schol. (2001), British Marshall Schol. finalist (2001), ECE General Schol. (2000), Holman and Hazel Smitha Schol. (1999-2000), Lewis H. Jordan Schol. (1998-2000), Smith-Turner Schol. (1998-2000), George F. Downman Schol. (1998-1999), Robert S. Neblett Schol. (1998-1999), Jack Phinizy Schol. (1998), Sidney Goldin Schol. (1998), & 1<sup>st</sup> in class Satellite High (1998).