

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

Sivananda Yoga Teacher	Traditional Hatha Yoga	2004 – Present
One on One Tutoring	Many Subjects, more than 1000 hours	1996 – Present
Video Spot 1 Host	College T.V. Network Music Video Show	2000 – 2002
Camp Counselor	Recreation Center Day Camp, 3 weeks	1998
Soccer Coach	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 2nd place in Intel national undergraduate research contest (2002), International Engineering Consortium Award for Student Excellence (2002), 1st 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), & 1st in class Satellite High (1998).