

Jimmy C. Chau

34 Buswell St. Apt. 1, Boston, MA 02215-3022
20 Paladino Ave. Apt. 10H, New York, NY 10035-2536
jchau@bu.edu +1 (646) 827-0745

Education:

Boston University College of Engineering Boston, MA
Candidate for Bachelor of Science in Electrical Engineering May 2009
Member of the Boston University chapter of the IEEE
Member of Tau Beta Pi (engineering honor society)
Dean's List (every semester)
GPA 3.87/4.00

Related Courses:

Senior Design I	Introduction to Digital Signal Processing
Introduction to VLSI	Microprocessors
Introduction to Computer Networking	Signals and Systems
Introduction to Electromagnetics	Introduction to Photonics

The Bronx High School of Science Bronx, NY
Diploma June 2005
Member of ARISTA (national honor society)

Experience:

Boston University, Multimedia Communications Laboratory Boston, MA
Senior Honors Thesis September 2008 – Present

- Design, build, test, and document a system for high-speed digital networking through illumination devices.

Research Assistant June 2007 – Present

- Developed a system to monitor and analyze climate changes in a bat habitat using low-power wireless sensors and MATLAB; constructed, tested, and documented this system.
- Created and documented MATLAB tools to load and analyze three-axis accelerometer data for studying human motion.
- Devised and deployed a server and web-based user interface to record, organize, and display video from networked cameras for ecological monitoring.
- Assisted the development of a low-power and high-resolution video camera for the Imote2 platform.

Boston University, Student IEEE chapter, Micromouse Team Boston, MA
Programmer, President October 2005 – April 2006, November 2007 – Present

- Coordinate meetings and design efforts.
- Recruited new members.
- Developed navigational software in C for the Micromouse, a robot designed to navigate a maze; adapted, enhanced, and maintained this software to accommodate the Micromouse's dynamic needs.

The Bronx High School of Science, Tech Staff Bronx, NY
Technical Support September 2001– August 2005

- Installed, maintained, troubleshoot, and fixed computer systems and audio-video equipment throughout the entire building.
- Provided training and technical support to the faculty and students.
- Received honors from the United Federation of Teachers.

Skills:

Operating Systems: GNU/Linux, UNIX, Windows 95/98/NT/2000/XP, DOS, TinyOS
Software/Languages: Assembly (various), BASH, C, C++, CSS, HTML, JAVA, LaTeX, Mathematica, MATLAB, nesC, PHP, PSpice, SQL, Verilog
Foreign Language: Spoken Chinese (Cantonese)