

Stephen W. Wong

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- OBJECTIVE** To gain hands-on experience in electrical and computer engineering while inspiring creativity and teaching technology to youths.
- EDUCATION** **Cornell University, College of Engineering**, Ithaca, NY
B.S. in Electrical and Computer Engineering expected 2010
GPA 3.06/4.0
North Quincy High School, Quincy, MA
Diploma - June 2006 - Top 5% of class
- RELATED COURSEWORK** CS 2300: Intermediate Design and Programming for the Web, ECE 4760: Digital Systems Design Using Microcontrollers, 3030: Electromagnetic Fields & Waves, CS 2024: C++ Programming, ECE 314: Computer Organization, CS 211: Object-Oriented Programming, ENGRD 230: Introduction to Digital Logic Design, ECE 210: Introduction to Analog Circuits, ECE 220: Signals and Systems
- RELATED EXPERIENCE** **Space Systems Loral**, Summer 2008
Palo Alto, CA
Worked on Intelsat 14 and 17 satellite programs. Compiled channelized budgets for Intelsat 14. Trended data for radiation susceptibility and radiation emissions on channel paths. Assisted in writing satellite orbital operations handbook (SOOH) for IS14 and creating budgets for IS17.
- CUAir**, Fall 2006 to present
Cornell University Unmanned Aerial Vehicle (UAV) Project Team, Advisor: Andrew Ruina
Team leader of the electrical and computer engineering team of the student-run project team. Lead a team of 6 in the development and maintenance of a wireless electronic system that allows autonomous flight, recording of ground activity and GPS coordinates.
- Self Employment**, Sept 2007 to May 2008
Test and repair malfunctioning mobile phones for resale.
- Uplift (Afterschool Program)**, Fall 2002 to Spring 2006
Volunteered as an afterschool and summer school mentor and teaching assistant for students in the first through eighth grade. Primarily taught English and math, helped with homework and supervised recess sessions.
- Research Internship**, Summer 2005
Seth Baum, Ph.D. candidate, Northeastern University, Boston, MA
Aided Ph.D. candidate in development of a simulated ground penetrating radar. Coded in Fortran-77 and C++ to calculate discretized Maxwell's equations in a closed region. Full time.
- WORK EXPERIENCE** **Baker Labs – Stockroom Assistant**, Jan 2009 to present – On campus job.
- Academic Web Pages**, Jun 2007 to Sept 2007
www.academicwebpages.com, Middlebury, CT
Design and maintain websites for colleges and research groups.
- SKILLS** General: Microsoft Office; fluent in Cantonese and basic knowledge of Japanese
Related: Verilog, Java, C++, C, MATLAB, PHP, SQL, HTML and some Macromedia Flash
- ACTIVITIES** **Cornell Kendo Club Sport**, Member: Fall 2007 to present.
Orientation Leader, Volunteer, leadership building: Fall 2007