

Alice Q. Wong

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Education

Stony Brook University, Stony Brook, NY 11790
May 2012, M.S. in Computer Science
Research Area: Human Computer Interaction
December 2010, B.S. *Cum Laude*
Majors: Applied Mathematics, and Computer Science

Work Experience

Software Engineer, Northrop Grumman Sep 2012 - Present

- Work with small team to complete development on a web application, used in change management of US and NATO communication standards.
- Enhanced the application's frontend interactivity by utilizing AJAX paradigm. Write server-side code using C# and client-side scripts in Javascript.

Project Aide, Dr. G. La Camera of Neuroscience Dept. Jun 2012 - Aug 2012

- Create framework for neuroscientist to design experiment control flows.
- Design and develop GUI for editing experiment control flows and experiment simulation, with the help of the wxPython and matplotlib libraries for Python. The simulation interface provides real-time feedback, in the form of graphs to show the subject's actions and triggered stimuli.

Research Assistant, Dr. L. Scarlatos of Technology and Society Dept. Sep 2011 - May 2012

- Developed HTML5/Javascript game to survey visual perceptions.
- Designed graphical interface and optimized code for *Intelligent Energy Choices*, a simulation game demonstrating how energy usage, GDP, and environmental changes are correlated.

Software Developer, Motorola Solutions Mar 2011 - Aug 2011

- Created web applications for IT Communications Team to enhance employee productivity.
- Created tutorials for new or upgraded software.

Research Intern, Brookhaven National Labs Jun 2010 - Aug 2010

- Composed code in C++ using the ROOT library to extract experiment data.
- Analyzed collected data to verify the proper alignment of the Cathode Strip Chamber in the ATLAS detector, one of the four detectors located at CERN's Large Hadron Collider.

IT Intern, Motorola Inc. Jun 2009 - Aug 2009

- Generated reports using SQL queries and Crystal Reports. The reports generated help Resource Managers to correctly allocate resources (workers).

IT Intern, Motorola Inc. Jun 2008 - Aug 2008

- Aided end users to adapt to the new system. Resolved and troubleshoot problems with the system.

Programming Languages (frameworks & libraries)

C++	OpenGL, ROOT
Java	Processing
Javascript	jQuery, jQueryUI, WebGL, KineticJs, Raphael, D3.js, ThreeJs
Python	matplotlib, pyGame, wxPython
and more...	Actionscript, C#, L ^A T _E X, PHP, SQL

Software Skills

3D Modeling	Blender, Carrara, Maya
2D Graphics	Adobe Flash, Adobe Photoshop, GIMP, Inkscape
IDE	Eclipse, MATLAB, NetBeans, Visual Studio

Leadership & Community Building

Department Senator , Graduate Student Organization	Sep 2011 - May 2012
Student Volunteer , SIGGRAPH Conference 2011 @ Vancouver	Aug 2011
Resident Assistant , Chapin Apartment	Jul 2011 - Jul 2012
President , Chapin Apartment Residents Association	Jan 2011 - Jul 2011
Mentor , Women in Science and Engineering	Sep 2009 - May 2010
Advertisement Designer , Irving College Hall Council	Sep 2008 - May 2009