

Zhaoxin (Alex) Niu

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EDUCATION

- Cornell University**, College of Engineering, Ithaca, NY June 2010
- Master of Engineering in Electrical & Computer Engineering, Concentration in Technology Management.
 - Major GPA: 4.00/4.00; Cumulative GPA: 3.98/4.00; Top 10% in Engineering College.
- Nanyang Technological University**, School of Electrical & Electronic Engineering, Singapore July 2009
- Bachelor of Engineering in Information Communication with honors, Minor in Business.
 - Singapore Government Tuition Scholar; Major GPA: 3.66/4.00; Top 15% in School of ECE.
- University of California, Los Angeles**, School of Engineering, Los Angeles, CA Summer 2008
- 8-credit summer exchange program designed to strengthen engineering skills and business knowledge.

RELATED EXPERIENCE

- Software Development Engineer**, Microsoft Search Technology Center, Beijing, China Summer 2009
- Developed a travel search site with designers and developers under cn.Bing.com to provide travel information.
 - Gained experience using Microsoft Silverlight and Bing Maps SDK, participated software development phases.
- Project Manager Intern**, Microsoft Research Asia, Beijing, China Dec 2008 – Jan 2009
- Managed features set throughout the product lifecycle, worked directly with team members and vendors.
 - Constructed Live Search topical page and train ticket search system for Chinese New Year, daily visit over 15,000.
- Software Engineer**, Siemens VDO Automotive Pte. Ltd. Singapore Jan 2008 – Jul 2008
- Built software and testing tool for UML state diagram by C++ and VBA to meet company's coding requirements.
 - Earned highest evaluation from supervisor among all interns, software developed was delivered for internal use.

RESEARCH

- NFS Computational Sustainability Video Game**, Cornell University Aug 2009 – Apr 2010
- Build software architecture and manage game features as System Lead during the development process.
 - Program an educational Video Game providing an empowering middle school focused experience in CS.
- Miniaturization of HF Antennas**, NTU, Singapore Aug 2008 – Mar 2009
- Designed a miniature quasi-fractal monopole loaded antenna to reduce the volume for graduation thesis.
 - Applied computer simulation tools MATLAB & NEC to simulate the antenna performances in real situations.
- Automatic Robot with Visual Ability**, NTU, Singapore Apr 2007 – May 2007
- Implemented an algorithm that enabled robot to plan route and reach specific target while avoiding barriers.
 - Developed algorithm by C++ and VBA as project leader, project won award s in engineering school competition.

SKILLS

- **Computer:** C/C++, C#, Java, JavaScript, Silverlight, Oracle, Perl, CSS, Visual Basic, Matlab, XML, XAML, Rhapsody, Rational Rose, Microsoft Office.
- **Language:** Fluent in Mandarin; Basic in Cantonese.

LEADERSHIP/EXTRACURRICULAR

- IT Consultant**, Global Youth Concept, Cornell University Sep 2009 – May 2010
- Create and maintain the official website of the charitable organization globalyouthconcept.org.
 - Assisted organizing various activities to help the youth of poor regions in Pampanga, Philippines.
- Student Computer Assistant**, Department of Computer Science, Cornell University Nov 2009 – Feb 2010
- Researched algorithms on Travelling Salesman Problem as System Lead, validated algorithm usability for project.
- Business Manager**, IEEE NTU Students' Chapter IWQC, NTU, Singapore Aug 2007 – Jun 2008
- Established sound relationships with sponsors, organized Island Wide Quiz Contest in Singapore.