
EMPLOYMENT

Software Engineer, intern **Laserfiche Corporate** **Jun 2012 - Sept 2012, Long Beach**

XPath Builder, HTML5 Canvas

- Implemented the JQuery dialogs and HTML5 Canvas interfaces with KineticJS framework.
- Designed and built the XPath builder in Laserfiche Form product which tracks user behaviors and helps to build the right XPath expression from the back-end quickly.
- Reported and cleared over 100 bugs for Form product.

Webmaster **University of California, San Diego** **Sept 2011 – present, La Jolla**

- Optimized Recreation Department website (sportsclubs.ucsd.edu) by enhancing video and photo display.
- Supported more than 25 sports teams on team building and organization.

Applications Engineer, intern **National Instruments Corporation** **Dec 2010 - Jun 2011, Shanghai**

- Solved more than 250 technical problems about NI products for over 100 customers, including software programming (LabVIEW, C, Matlab, SQL, etc), hardware configuration (PXI/PCI buses, FPGA, etc).
- Finished over 50 verifications for returned instruments by applying unit testing and integration testing.
- Built several demos/solutions for hardware communication systems and corresponding software programs to guide customers toward solutions.

Head Teaching Assistant **Shanghai Jiao Tong University** **Mar 2010 - Dec 2010, Shanghai**

- Courses: Probabilistic Methods in Eng., Discrete Mathematics.
- Promoted to Head TA in Sept 2010. Led TA meetings and guided students on probabilistic analysis and optimization projects. Averaged ratings of 9.0 out of 10.

EDUCATION

La Jolla, CA **University of California, San Diego** **Sept 2011 - present**

- M.S. (currently pursuing) in Electrical and Computer Engineering, Mar 2013. In-major GPA: 3.4.
- Graduate Relative Coursework: Random Processes · Advanced Data Structures · Design & Analysis of Algorithm · Server-side Web Applications · Intro to Embedded Computing.

Shanghai, China **Shanghai Jiao Tong University** **Sept 2007 - Feb 2011**

- B.S. in in Electrical and Computer Engineering, Feb 2011. In-major GPA: 3.7.
- Undergraduate Relative Coursework: Computer Networks · Computer Organization · Programming & Data Structures · Boundary Value Problems for Partial Differential Equations · Probabilistic Methods in Engineering.

TECHNICAL EXPERIENCE

Projects

- **Maze game and vending machine solver** (2012). Create and solve a maze game and stamp vending machine problem by applying disjoint subset, priority queue and dynamic programming. C++.
- **Embedded system power scheduler** (2012). Design new frequency allocation policy on Qualcomm snapdragon MSM8660 Mobile development platform for energy efficiency. C, Shell script.
- **Verification tool of CRC error detection methods** (2010). Verify and prove the robustness of different CRC error detection methods in communication technology. C++.

AWARDS AND CERTIFICATES

- **Honeywell Innovators Scholarship**: Selected by Honeywell globally from their best interns.
- **Certified LabVIEW Associate Developer**: Granted by National Instrument (SN: 100-311-1085).

Languages and Technologies

- Proficiency in Linux environment programming with C++, JavaScript, SQL, LabVIEW, HTML, XML; Familiarity with C#.NET, C Shell, PHP; basic in Python, VHDL.
- Visual Studio; Apache Server; Vim; GCC compiler, Matlab, Mathematica.