# Vincent Hu

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**EDUCATION**

**Yale University** **New Haven, CT**

*Bachelor of Science in Electrical Engineering and Computer Science*  Expected May 2014

GPA: 3.65 SAT: 2330 (Math: 800 Critical Reading: 800 Writing: 730)

Awards: Richard U. Light Fellowship, 2011 Harvard-Beijing Academy Summer Language Program

Relevant Coursework: Systems Programming and Computer Organization, Data Structures and Programming Techniques, Discrete Math, Information Science, Intro to Electronics, Intro to Computer Engineering

**Winston Churchill High School** **Potomac, MD**

*High School Diploma*  June 2010

**WORK EXPERIENCE**

**Deltek, Inc, Herndon, VA**

*Information Solutions Intern* May 2012 – Present

* Develop .NET applications to expedite the GovWin IQ database re-architecture project
  + Self-taught .NET, SQL, and regular expressions to implement a more efficient and standardized data extraction process
  + Reduced 30-hour workload to 6 hours through automated integration of Excel and MS SQL via C#
  + Revealed weaknesses in GovWin IQ’s 4000-table database by performing query-by-query analysis
  + Wrote detailed documentation allowing applications to be used and maintained by other employees

**T.P. Ma Semiconductor Lab, Yale Department of Electrical Engineering New Haven, CT**

*Research Assistant* December 2011 – May 2012

* Performed semiconductor characterization and studied the effects of radiation on indium gallium arsenide (InGaAs) MOSFETs (metal-oxide-semiconductor field-effect transistors) with the goal of increasing computer speed and efficiency
* Compiled and analyzed data on capacitance of InGaAs wafers to test their effectiveness as semiconductors
* Converted data into graphs through Origin (similar to Excel) and present findings in weekly meetings

**TEAM & LEADERSHIP EXPERIENCE**

Yale Daily News Business New Haven, CT

*Online Development Manager, former Account Executive* 2011 – Present

* Created new online development department to support YDN tech initiatives, such as iOS apps, a streamlined online payment method for advertisements, and an online student bulletin board
  + Plan and redesign YDN iPhone app interface to be more user-friendly and increase functionality
  + Manage developer subgroups through weekly meetings to work on projects simultaneously
* Brought in $3,122 of ad revenue from restaurants and clothing stores in New Haven, exceeding quotas and becoming one of the most successful account executives of the year

**Yale Formula Hybrid Racing Team New Haven, CT**

*Electrical Team Programmer* September 2011 – September 2012

* Modeled racecar using MATLAB to test vehicle in various simulated environmental conditions
* Partnered in installing and programming Arduino microcontroller, the central control unit of the car
* Responsible for programming system designed to output total car energy level to dashboard

## TECHNICAL SKILLS

**Programming:** C#, Java, C, Objective-C, Python, SQL, Scheme, MATLAB, Regex, MS Excel Macros

**Web Design:** ASP.NET, HTML, CSS, Javascript/JQuery, PHP

**IDEs:** MS Visual Studio, Eclipse, Xcode, MonoDevelop

**Operating Systems:** Windows 7, Mac OS X Lion, iOS 5, openSUSE Linux

**Database Systems:** MS SQL Server, MS Access

**Other Software:** Xilinx ISE (FPGA programming), Adobe Photoshop, Sibelius 6 (music composition)

## OTHER SKILLS & ACTIVITIES

**Languages:** Fluent in Mandarin Chinese: HSK Chinese Proficiency Test Advanced Level 10, Proficient in Spanish

**Activities:** Yale Robotics Team, Taekwondo (*First Degree Black Belt)*, Maryland All-State Orchestra (*First Violinist),* Yale Precision Marching Band (*Percussion)*