# 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: 3.55 SAT: 2330 (Math: 800 Critical Reading: 800 Writing: 730)

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

Relevant Coursework: Computer Networks, Parallel Programming, Algorithm Analysis, Digital Systems, Systems Programming and Computer Organization, Data Structures, Discrete Math, Information Science

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

*High School Diploma*  June 2010

**WORK EXPERIENCE**

**ZocDoc, Inc. Herndon, VA**

*Software Engineering Intern* May 2013 – August 2013

* Designed a web app to simplify managing internal Spotfire business reports for company executives
  + Created tool for non-developers to quickly sort, assign, and administrate reports
  + Wrote easily maintainable backend code following the service-repository-persistence layering pattern
  + Built a RESTful MVC frontend using Backbone.js with Mustache templates
  + Strengthened C# code with 70+ unit tests and Selenium tests

**Deltek, Inc. Herndon, VA**

*Information Solutions Intern* May 2012 – August 2012

* Developed .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

**TEAM & LEADERSHIP EXPERIENCE**

Yale Daily News Business New Haven, CT

*Director of Technology, 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, Selenium

**Web Design:** ASP.NET, HTML, CSS, Javascript/JQuery (with Backbone.js), PHP

**IDEs:** 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)*