**Himanshu Ojha**

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**Education**

**University of Virginia,** Charlottesville VA – School of Engineering and Applied Science 2013 – 2017

Prospective *Bachelor of Science*, **Computer Science; G.P.A: 3.781; CS GPA: 3.900**

**Employment and Internship Experience**

**Engineering Internship** May 2014 to August 20149Lenses, Sterling, VA

* Worked within Dot Net Framework – developed sample web applications in C# and practiced with web api and MVC templates
* Integrated 9Lenses platform with SalesForce and LinkedIn API's
* Performance tested 9Lenses platform functionality with SQL Server 2008 r2 sp2, MongoDB, and MySql databases
* Performed Jmeter and SoapUI tests on 9Lenses web api
  + wrote extensive groovy scripts to test API's

**Web Development Internship** June 2011 to August 2011CompSciPrep, Herndon, VA

* Perform role of Project Manager - organizing the schedule, assigning specific duties to team members, and presenting product.
* Creating advertisement-management software for CompSciPrep.
* Specializing in organizing MySQL data to store necessary information and make sure back-end of product worked.

**Hackathons**

**HackUVA** April 2014

UVA, Charlottesville, VA

* Dining Menu Android App
* Created python web server hosted on Raspberry Pi
* Designed and implemented MySql database
* Wrote scripts to scrap UVA dining website in python

**Favorite Classes**

**CS 2150 – Program and Data Representation** Spring 2013

* Understand number representation, operations, conditionals, and control structures from a high level programming language down to the underlying machine level representation
* Implement advanced data types including linked lists, stacks, queues, hash tables, trees, and graphs
* Evaluate asymptotic time complexities of programs and data structure implementations using Big-O, Big-Omega, Big-Theta notation.
* Implement basic program control structures in an assembly language (loops, conditionals, subroutines, parameter passing, arrays)

**CS 2110 – Software Development Methods**  Fall 2013

* Nearly complete understanding of the Java programming languages control structures
* Understand software development life cycle
* Understand Agile program development

**Summary of Skills**

* **Programming**:
  + Proficient: C++, Java, C#
  + Introductory understanding of: HTML/CSS, Javascript, PHP, Android App Development, Bash Scripting, Python, Ruby on Rails, groovy
* **Operating Systems**: Windows, Linux (Ubuntu, Red Hat Linux 6)
* **Applications**: Emacs, Eclipse, Geany, Microsoft Visual Studio 2013, Jmeter, SoapUI, LoadUI

**Other Experience**

* **Elementary School Student Counselor:** helped organize school children summer 2009, 2010
* **FairfaxGOP Volunteer:** phone banking, door to door canvassing, setting up political events summer 2010

**Awards, Memberships, and Certifications**

**Honorable Mention at Thomas Jefferson Invitation Open in Informatics:** High School CS competition (2011)

**William and Mary Leadership Award:** single winner out of class of 650 students as prospective leader of VA (2013)

**Model United Nations Awards:** Best Delegation in Prince William and Centerville, Outstanding Delegation in Osbourn Park, and Honorable Mention at Thomas Jefferson, Prince William, and George Mason MUN Conferences

**Varsity Debate** (2010-2013)

**National AP Scholar with Distinction** (2013)

**University of Virginia SEAS Deans List** (Fall 2013)