Vikram Somu

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY (Senior)   *August 2011 – December 2014*
- Candidate for Bachelor of Science in (Computer Science)
- **GPA: 3.83/4.00**
- Awards: Deans List, Hope Scholarship, Eagle Scout, AP Scholar
- Relevant Courses: Intro to Database Systems, Mobile and Ubiquitous Computing, Design and Analysis of Algorithms, User Interface Design, System and Networks, Introduction to Artificial Intelligence, Machine Learning, Information Visualization

SKILLS

Programming: Java, Python, JavaScript, SQL, PHP, Ruby, C, C++, Bash, x86 Assembly, Groovy
Software Tools: Version Control (Subversion and Git), Unix Command Line, Eclipse, Spring Tool Suite, IntelliJ IDEA, Visual Studio, phpMyAdmin, MongoDB, Apache Tomcat, Amazon Cloud Services (EC2 and Elastic Beanstalk)
Management Skills: Technical writing and presentations to faculty and business managers
Languages: English (Bilingual)**,** Spanish (Limited Working), and Tamil (Bilingual)

WORK EXPERIENCE

Manheim Auctions (Subsidiary of Cox Enterprises), Software Development Intern, Dunwoody, GA   *Summer 2013-Present*
- Maintained a Ruby on Rails data visualization application that pushes real time car auction statistics from around the country onto an easy to read and interactive web-interface for company-wide use
- Revamped a Java EE web application using Spring MVC Framework, Hibernate, and MySQL database in order to help customer service personnel track problems that occur at physical car auction locations
- Created a paid time off tracking web application with Node.js and MongoDB to be used by several internal departments

PROJECTS

Portfolio (vikramsomu.com): *Personal portfolio*   *Spring 2014*
- Developed using Node.js/Express and hosted with Amazon EC2

Student Organization Manager: *Institutional organization management system*   *Spring 2014*
- Developed an Android application with accompanying Node.js web service for remote MySQL database access hosted on Amazon EC2. Project completed in team for senior design capstone class.

GT Course Watch (gtcoursewatch.us): *Course seat notification service*
- Developed a course watching web application using Node.js, Twitter Bootstrap, JavaScript, MongoDB, and AmazonEC2
- Allows user to submit a request to the server, which periodically scrapes data from a school course information page and alerts the user via e-mail and SMS when a slot is open in the class they requested

Maple Trainer: *Game botting program*   *Summer 2013*
- Created a program in Visual Studio with a simple GUI within a DLL (which is injected into the game process at runtime) using C++ and x86 Assembly to bot a popular online game by using memory-editing techniques.
- Provided functionality including auto attacking, auto looting, auto potions, invincibility, and teleporting user to monsters

GT Port (Database Systems Course Project): *Provides student/faculty managerial services for a typical university*   *Fall 2012*
- Designed a complex SQL database by completing 1) EER Diagram 2) Relational Schema 3) SQL statements
- Wrote a web app using PHP/HTML and MySQL DB based on the database our group designed

Seed Bank Web Application (Objects and Design Course Project): *Seed trading website*   *Summer 2012*
- Designed an MVC Grails web application that served as a platform to allow farmers to buy and sell seeds
- Used the agile development methodology and acted as scrum master for a four-person team

EXTRACURRICULARS & LEADERSHIP

MOVE, Chair of the ACCESS Committee   *August 2012 – Present*
- Elected as chair of the ACCESS Committee for MOVE, which is a Georgia Tech community service organization focused on helping to improve the metro Atlanta area
- Managed a tutoring program dedicated to SAT, College essay and general admissions advice to high school students

Boy Scouts, Eagle Scout   *May 2004 – Present*
- Organized and carried out a service project to collect eyeglasses to give to the needy for my Eagle Scout project

INTERESTS

- Web development, technology, personal finance, reading, just about all types of music, and gaming