

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
- Wrote a Jenkins plugin in Java to automate Remedy change requests, which were manually generated by managers before

PROJECTS

Portfolio (vikramsomu.com): Personal portfolio

Spring 2014

- Developed using Node.js/Express and hosted with Amazon EC2

GT CourseWatch (gtcoursewatch.us): Course seat notification service

Summer 2013

- 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

Student Organization Manager: Institutional organization management system

Spring 2014

- Developed an Android application with accompanying Node.js web service for remote MySQL database access in a team as part of our senior design project. Hosted on Amazon EC2.

MapleTrainer: 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