Adhiraj Somani

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http://adhiraj.github.com/

Education

National University of Singapore	**Singapore**
B.Comp. (Hons.), Computer Science, SIA-NOL Undergraduate Scholar	*2009-2013*

- GPA: **4.72/5**
- Dean's List Award, 2010/11 (Top 2% of cohort)
- Tutor, Software Engineering on Modern Application Platforms

**KTH	Kungliga Tekniska högskolan**	**Stockholm, Sweden**
NUS Student Exchange Program Awardee	*Aug-Dec 2011*

Don Bosco School, Park Circus	**Kolkata, India**
High School, Science and Mathematics	*2009*

- Valedictorian Award
- Featured in The Telegraph for outstanding performance (97.25% aggregate score)
- President, Computing Club
- State level table tennis competitor

Work Experience

Software Engineering Intern, Facebook, Seattle, USA	**May '12 – Jul '12**

- Implemented machine learning algorithms for place search, resulting in a 45% increase in search success rate. This involved a better discretization technique with manual tuning based on user behavior. I also increased the automation of the training pipeline to make deployment and testing of models easier. [C++, Python]
- Improved the Build Verification Test tool. [Python]

Software Engineering Intern, Facebook, Palo Alto, USA	**May '11 – Jul '11**

- Built a scalable and fault tolerant version of a business critical ETL system bringing down error rates by 71% and achieving 3x speedup from the previous version. [Python]
- Improved job scheduler used for internal data processing tasks. [Java]

IT Director, Startup @ Singapore	**Aug '10 – May '11**

- Maintained the online competition portal that handles registrations, business-plan submissions, the judging system and results dissemination for over 1000 participants from 19 countries. [PHP]

Student Coach, International Olympiad in Informatics Training Camp, India	**Jun '10**

- Created problem sets and solutions for selecting the student delegation. [C++]

Programming Competitions

- **Silver Medal,** International Olympiad in Informatics, 2009
- **2nd runner up,** ACM ICPC Manila Regionals, 2009
- **Honorable mention,** ACM ICPC Kuala Lumpur Regionals, 2010

College Projects

Text Classifier	**Oct '12 – Nov '12**

A naïve-Bayes multi-label classifier for HTML documents. [Python]

iMenus	**Mar '11 - May '11**

An iPad application that replaces traditional menus in restaurants and automates customer-side ordering and billing. [Obj-C, iOS]

Huff & Puff	**Jan '11 – Feb '11**

A Windows Mobile game akin to Angry Birds that I reinvented for the iPad. [Obj-C, iOS]

Crazy Paddles	**Aug '10 - Nov '10**

A 2-player Wii game where a kayaker tries to negotiate turbulent waters, while a shooter sitting pillion takes down balloons in the sky. [Flash/ActionScript]

Sportup!	**Mar '10 – Apr '10**

A community website for sports, Sportup! serves as a contact point for Singaporeans looking for casual or serious players up for a game at a given time and location. [Ruby on Rails]

Skills & Interests

- Programming: Proficient in C/C++ and Python. Familiar with Java, Ruby on Rails, Objective C, Bash, PHP, JavaScript, HTML, ActionScript, Scheme, and MATLAB.
- Communities: ACM ICPC, NUS Hackers
- Sports: Badminton, Swimming, Table Tennis, Running
- Interests: Improv theater, Outdoor activities, The occasional video game