ABHISHEK K. MODI

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EDUCATION

University of Illinois -- Urbana Champaign   August 2013 – Present
Pursuing B.S. in Computer Science;   Expected Graduation in 2017   **3.82 GPA**
- *CS Classes :   Completed – Data Structures, Discrete Structures*
  In Progress – System Programming

*Awarded **Engineering Deans List** – Spring 2014, Fall 2013*
*Awarded **Engineering James Scholar** - Since start of Freshman Year*

WORK EXPERIENCE

HSBC [Mumbai]   Summer 2012
Interned with IT and Trading at HSBC Securities and Capital Markets (India) Pvt. Ltd.
- Re-architected trading algorithms used to process customer requests and uploading order instructions
- These algorithms were improved for higher efficiency and now execute 90% faster than previous versions
- Added Futures & Options functionality to programs which previously only processed Equities
- Automated multiple daily functions that previously took multiple cumulative hours of employee time
- All projects are live and are used by HSBC Mumbai on a daily basis
- Received a letter of recognition from HSBC, appreciating the value added during the internship

Applied Technologies for Learning in the Arts and Sciences at UIUC   Oct 2013 – Dec 2013
Team member, front-end web developer
- Assisted in designing and development of websites for new academic programs at the university
- Performed maintenance on and helped update several live sites
- Conducted research regarding potential future developments
- Maintained communication with the clients of websites that were assigned to me

Tarang Advisory Pvt. Ltd. [Mumbai]   Summer 2013
Manager, System Management and Administration
- Responsible for the management of the office network
- Automated networked back-up of office computers and monitoring of the office's internet traffic.

CAMPUS INVOLVEMENT

Course Assistant for CS 196   Fall 2014 - Present
CS 196 (section 25) is a reimagined honors section for CS 125 – Introduction to Computer Science
- Member of a team that is assisting, guiding, mentoring ~ 180 new computer science students
- Directly responsible for 10 students as they form teams and develop software as part of the course
- Will be conducting micro-lectures on Data Structures, Programming principles, Documentation

Webmaster for Society of Physics Students at Illinois   Fall 2014 - Present
SPS @ Illinois is a student organization for students interested in physics.
- Completely redesigned the SPS@Illinois website, and set up mail and list-servers for officers
- Involved in contacting and coordinating with member regarding group activities

Association of Computing Machinery at Illinois & Hack Illinois   Summer 2014 - Present
The UIUC branch of the Association of Computing Machinery (ACM)
- Active member and collaborator in SIGART (group for artificial intelligence)
- Member of staff for Hack Illinois 2015

CURRENT PERSONAL PROJECTS

- **Wkli** – An **iOS** and **Android** app which will help UIUC students interact with their weekly class schedule more efficiently
- **Last layer** – An **n - factor authentication** scheme for RFID / proximity access locks

COMPUTER PROGRAMMING

Comfortable Developing with	C++ C Java Objective C Python Visual Basic JavaScript
Familiar with	MySQL Ruby node.js
Misc. – hackathons attended	Hack Illinois (Spring 2014) MHacks IV (Fall 2014) Boilermake (Fall 2014 – planned)