

## 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)