

# Milan Dasgupta

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## OBJECTIVE

Seeking a Software Development Internship for Summer 2015

## EDUCATION

### UNIVERSITY OF ILLINOIS

Undergrad in Computer Engineering  
Expected Graduation: Dec 2015

## LINKS

Github: [milanocookies93](#)  
LinkedIn: [/in/milanocookies93](#)  
Challenge Post: [milanocookies93](#)

## COURSEWORK

### COMPLETED

CS 425: Distributed Systems  
CS 397: Independent Study  
CS 241: Systems Programming  
CS 498: Algorithms and Models of Computation  
ECE 391: Computer Systems Engineering  
CS 498: Mobile Applications  
CS 225: Data Structures

### IN PROGRESS

CS 438: Communication Networks  
CS 498: Art of Web Programming  
CS 431: Embedded Systems

## SKILLS

### Languages

C++ • C • Python • Java  
HTML • CSS • x86 Assembly

### Platforms

Raspberry Pi • Android • Arduino

## AWARDS

Boilermake 2014: Best use of Twilio API

## WORK EXPERIENCE

### CS 225 COURSE STAFF Jan 2014 – Present | Urbana, IL

- Assisted students with their coursework.
- Developed assignments to be used in future semesters.

### CS 196 ASSISTANT Aug 2014 – Present | Urbana, IL

- Presented and instructed freshmen in the CS topics that could be used in projects.
- Planned and helped out at Hackathons and other events for the course.

## PROJECTS

### CS 225 MP3 REWRITE May 2014 – Present | Urbana, IL

- Worked with Prof Heeren to create idea of a snake game represented as a linked-list.
- Utilized C++ and algorithm skills to create a project.

### I-CARD READER Sep 2014 – Present | Urbana, IL

- Parsed Card Reader output to track attendance.
- Created and updated database that matches Card IDs to names.

### SOCKET CHAT Sep 2014 – Present | Urbana, IL

- Created chat application using sockets for users to communicate.
- Had messages encrypted to protect message from MITM attacks.
- Working on making application distributed amongst many computers instead of interfacing with one central server.

## STUDENT ORGANIZATION INVOLVEMENT

### HACKILLINOIS August 2014 – Present | Urbana, IL

#### INTERNAL SUPPORT

- Working with Core Team to prepare Hackathon for 700+ students from around the nation.
- Creating internal tools that can be utilized by Hackathon Staff.

### ECE PULSE August 2014 – Present | Urbana, IL

#### SOFTWARE COMPETITION LEAD

- Developing competitions for the ECE Pulse conference in data structures, algorithms, and security.
- Manage staff to coordinate event.

### ACM@UIUC August 2014 – Present | Urbana, IL

#### INIT COMMITTEE CHAIR

- Assist new students with project ideas they wish to pursue.
- Create tutorials teaching members technology skills.