Milan Dasgupta

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EDUCATION

UNIVERSITY OF ILLINOIS
Undergrad in Computer Engineering

LINKS

Github:// **milanocookies93**
Twitter:// **@milanocookies93**
Challenge Post:// **milanocookies93**

COURSEWORK

COMPLETED
CS 498: Algorithms and Models of Computation
ECE 391: Computer Systems Engineering
CS 498: Mobile Applications
CS 225: Data Structures

IN PROGRESS
CS 425: Distributed Systems
CS 397: Independent Study
CS 241: Systems Programming

SKILLS

Languages
C++ • C • Python • Java
HTML • CSS • x86 Assembly
Platforms
Rasberry Pi • Android • Arduino

AWARDS

Boilermake 2014: Best use of Twilio API

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.

FIND MY FRIEND May 2013 – Aug 2013 | Urbana, IL
- Created Android Application for CS 498 that helps two individuals locate each other using wifi signal strengths and gps.
- Studied wireless resources that could be utilized without draining the battery.

CODEMOO August 2014 – Present | Urbana, IL
- Assisting professor in remaking Java education website.
- Managing and reviewing code of team.
- Creating puzzles utilizing recursion to teach the concept.

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.

HACKILLINOIS August 2013 – August 2014 | Urbana, IL
VOLUNTEER COORDINATOR
- Organized the volunteering effort for the Hackathon.

ACM @ UIUC August 2014 – Present | Urbana, IL
INIT COMMITEE CHAIR
- Plan events and meetings forfreshman and transfer students.
- Assist new students with project ideas they wish to pursue.
- Create tutorials teaching members technology skills.

ECE PULSE August 2013 – August 2014 | Urbana, IL
SECRETARY|TREASURER
- Organized Budget for ECE Pulse conference.
- Tasked with keeping Conference website to date.
- Engaged with Engineering students to publicize event.