Milan Dasgupta

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OBJECTIVE

Seeking a Full Time Software Development Position

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
ECE 391: Computer Systems Engineering
CS 241: Systems Programming
CS 498: Theory II
CS 498: Algorithms and Models of Computation
CS 498: Mobile Applications
CS 411: Database Systems
CS 461: Security I
CS 397: Independent Study
CS 225: Data Structures

IN PROGRESS
ECE 445: Senior Design
ECE 310: Digital Signal Processing

SKILLS

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

AWARDS

RedBirdHacks 2015: 2nd Place Overall
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

ACM @ UIUC August 2014 – Present | Urbana, IL
SIGOPS and Projects Chair
- Assist new students with project ideas they wish to pursue.
- Create tutorials teaching members technology skills.

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.

HACKILLINOIS August 2014 – May 2015 | Urbana, IL
Internal Support/Treasurer
- Working with Core Team to prepare Hackathon for 700+ students from around the nation.
- Creating internal tools that can be utilized by Hackathon Staff.