

## CONTACT

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+1 (217) 648 8362

## SOCIETIES

- Active Student Member at IEEE, ACM SIG-ICPC, SIG-IR
- Illini Table Tennis
- High-school Vice-Head Boy (Student Society)
- Vice-President School Quiz Society

## SKILLS

### Languages (and APIs)

- C (with CUDA API), C++, Python, MATLAB, Octave
- HTML/CSS, JavaScript, SQL

## HONORS

- UNSW Gold Medal
- Dean's List - Spring '16
- AP Scholar
- National Talent Search Exam - Gold Medalist (Science and Math)

## COURSES

### At UIUC

- Data Structures and Software Principles
- Applied Parallel Programming
- Computer Systems Programming
- Digital Signal Process.

### At Coursera (verified)

- Algorithms and Data Structures
- Machine Learning

# Akashdeep Deb

akashdeepdeb (github) | akashdeepdeb.github.io

## OBJECTIVE

I am seeking a full-time Spring Internship opportunity for 2017 where I can apply my skills in Data Structures, Machine Learning, Algorithms and Parallel Programming to build robust software and solve complex problems.

## EDUCATION

### University of Illinois at Urbana-Champaign, IL

Bachelor of Science (B.S.) in Computer Engineering

Technical GPA: 3.74 | Cumulative GPA: 3.43

2015-2018

(exp.)

## PROJECTS

### Algorithmic Challenges and Contests on Online Judges

Fall 2015 - Present

- Solve Greedy and Dynamic Programming problems on SPOJ, HackerRank, and a2OJ.
- Took part in NAIPC (North American inter-collegiate Programming Contest) and CS50's coding challenge in 2016.
- Member of ACM ICPC Club@UIUC.

### Accelerated CNNs using heavy parallelization with CUDA

December 2016

- Applied dynamic materialization on the MNIST Dataset to heavily parallelize convolution, pooling and ReLU.
- Successfully accelerated CNN from 21.6 minutes to 400ms.

### Safearound.me - BoilerMake Hackathon Project

November 2015

- Developed a Health web app that uses HTML/CSS and Google Maps API to allow users to mark unsafe spots.
- An application that displays distances from unsafe spots and time of marking, warning users from visiting unsafe spots.

## EXPERIENCE

### Analog Signal Processing (ECE 210) at UIUC

Fall 2016

Course assistant

- Graded weekly problem sets.
- Assisted with course Q&As on Piazza and proctored exams.

### Center for Academic Resources in Engr. (CARE) at UIUC

Fall 2016

ECE Tutor

- Tutor students with courses in Computing, Signal Processing, Differential Calculus, Statistics and Thermal Physics.

### OpenStudy.com

Sumer 2014

Newsletter Design Team

- Was responsible for managing the Newsletter Design Team.
- Used Adobe InDesign and Photoshop to design the monthly Newsletter for OpenStudy.com