

# Shreyas Moudgalya

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## EDUCATION

**Illinois Institute of Technology**, Chicago, Illinois, USA

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

- **Specialization:** Distributed and Cloud Computing
- **Minor:** Applied Mathematics Aug 2014 – Apr 2017
  - Distributed and Parallel Computing, OS, Data Communications, Systems Programming, Data Structures, Assembly Programming, Circuit Analysis, Digital Systems, Discrete Mathematics
  - **Cumulative GPA: 3.896 / 4.00**
  - **CS, Math GPA: 4.00 / 4.00**

## EXPERIENCE

**SPEAR (Systems for Performance, Energy, and Resiliency) Group**

- Research Assistant Sep 2016 – Present
  - Exploring areas of batch scheduling in the field of high performance computing.
  - Working on evaluating custom batch scheduler on slurm.

**Data-Intensive Distributed Systems Laboratory**

- Undergraduate Research Fellow May 2016 – Sep 2016
  - Worked on linear run time algorithm based on label propagation for partitioning a billion node Graph that will be implemented on GRAPH/Z.
  - **Supervisor:** Dr. Ioan Raicu

**National Instruments**

- Hardware and Graphical System Design Intern May 2015 – Sep 2015
  - Wrote system software involving LabVIEW for Patient Care and Monitoring System Signals.
  - Using DAQ (MyDAQ and MyRIO) to collect, analyze and process real time Patient Data.
  - Using NI Multisim and NI Ultiboard for Circuit and Power Analysis.
  - Certified LabVIEW Associate Developer Certification.

**zooKKs Incorporated**

- Software Engineering Intern - Part Time Sep 2014 – Sep 2016
  - Full-stack development and deployment for several projects.

**Computer Science - College of Sciences**

- Teaching Assistant Aug 2015 – Jan 2016
  - Grade lab exercises and create and create project assignments for Object Oriented Programming in Java.
  - Provide written code reviews for students' Java Assignments.

## ACADEMIC AWARDS

- **Experiencing HPC for Undergraduates Program** Nov 2016  
Selected out of top 29 students in the United States to participate in the SC 2016 (The International Conference for High Performance Computing, Networking, Storage and Analysis).
- **Dean's List**, College of Sciences 2014 – Present  
For attaining a semester GPA of at least 3.50.
- **International Student Scholar - Scholars Program** 2014 – Present  
\$120k tuition scholarship for undergraduate studies at Illinois Institute of Technology.
- Dean Betts' Summer **Undergraduate Research Fellowship**. College of Sciences. May 2014

## SELECTED ACHIEVEMENTS

- Selected as **Microsoft Student Partner** to represent Microsoft at Illinois Institute of Technology.
- Selected among 120 students over Midwest Region for **Campus 1871** [April 8-10, 2016].
- Honorable Mention (\$200 Cash), **CS2050 Big Data Hackathon**
- 2nd Place, "AllServe", StartUp IIT, Collegiate Entrepreneurs' Organization Pitching Competition.
- **Gold**, International Standard of Abacus Mental Arithmetic, Malaysia Book of Records.
- Chosen by the **Government of India** to participate in one week Internship Program at Inspire Science Internship Camp, Christ University.
- Part of a selected group of students from the **UK-India Education and Research Initiative** (UKIERI) Student Exchange and Collaboration Program.

## SKILLS

- **Proficient:** Java, Python, C,  $\LaTeX$ , SQL, Flask, Mathematica, MATLAB, Mathematica.
- **Familiar:** OpenMP, pthreads, MPI, CUDA, AWS.