

Shreyas Moudgalya

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EDUCATION

Illinois Institute of Technology, Chicago, Illinois, USA

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

Aug 2014 – Apr 2017

- **Specialization:** Distributed and Cloud Computing
- **Minor:** Applied Mathematics
 - Distributed and Parallel Computing, Operating Systems, 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
 - Exploring areas of batch scheduling in the field of high performance computing.
 - Working on evaluating custom batch scheduler on slurm.

Sep 2016 – Present

Data-Intensive Distributed Systems Laboratory

- Undergraduate Research Fellow
 - 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

May 2016 – Sep 2016

National Instruments

- Hardware and Graphical System Design Intern
 - 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.

May 2015 – Sep 2015

zooKKs Incorporated

- Software Engineering Intern - Part Time
 - Full-stack development and deployment for several projects.

Sep 2014 – Sep 2016

Computer Science - College of Sciences

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

Aug 2015 – Jan 2016

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.
- **Familiar:** OpenMP, pthreads, MPI, CUDA, AWS.