

SHARAN ARKALGUD

EDUCATION

University of Illinois at Urbana-Champaign

Expected May 2019

- B.S. Computer Science
- GPA: 4.00/4.00

Thomas Jefferson High School for Science and Technology

Sept 2011–June 2015

- GPA: 4.19/4.00

SELECTED COURSEWORK

Artificial Intelligence

Sept 2012–June 2013

Parallel Programming

Sept 2013–June 2014

Digital Signal Processing

Sept 2013–June 2014

Introductory Computer Science

Sept 2015–Dec 2015(Expected)

Artificial Intelligence and Data Analytics (Interested)

TECHNICAL EXPERIENCE

Software Engineering Intern

June 2014–Aug 2014

National Institute for Standards and Technology (Department of Commerce)

Gaithersburg, MD

- Assisted on OOF2: A program that run simulated tests on industrial materials used on space shuttle, trains, and planes. Program currently used at research institutes around the world.
- Optimized and Built algorithm to detect unique regions in images of crystalline structures produced through electron backscattered chromatography.
- Developed using Python including the NumPy and SciPy packages in a Linux environment.

Attended MAX seminar

July 2013–July 2013

Mid Atlantic Crossroads seminar on computer networks

College Park, MD

- Learned about basic computer networks and how the world wide web works.
- Gained experience using WireShark to monitor computer networks.

Attended MoDev 2013

April 2013

Professional conference for mobile development

Tysons Corner, VA

- Learned about building mobile applications on a multitude of platforms and how to making them appealing to the end users.

TEACHING EXPERIENCE

AP Computer Science

June 2013–July 2013

Herndon, VA

- Taught AP Computer Science Curriculum to 3 high school students.
- Classes were held three times a week.

Computer Science and Pre-Calculus

July 2015–Aug 2015

Herndon, VA

- Taught Java programming language and pre-calculus topics to 3 high school students.
- Classes were held twice a week.

Public Speaking and Debate

June 2012–July 2012

Herndon, VA

- Taught the basics of Public Forum Debate to 12 elementary students.
- Classes were held twice a week.

TECHNICAL SKILLS

Proficient in JAVA, Python including NumPy and SciPy Packages, Comfortable in HTML, CSS, C, MATLAB

HONORS AND ACHIEVEMENTS

Won top mobile application at Hack-TJ

March 2013

Alexandria, VA

- Built mobile game name Fish Dish where the character jumps through obstacles to escape a shark that is following him using Corona Labs platform.
- Hackathon Judged by employees from Facebook and Palantir.

Eagle Scout

May 2015

- Highest rank in Boy Scouts of America.
- Completed over 200 hours of community service to plan and lead others in service projects.

All-Conference 2nd Team and Conference Defensive 1st Team Conference 13

Nov 2014–Feb 2015

Alexandria, VA

Honorable Mention All-Conference Team and Conference Defensive 1st team Conference 13

Nov 2013–Feb 2014

Alexandria, VA