

# ARUSHI AGARWAL

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**EDUCATION** | **CUPERTINO HIGH SCHOOL, CUPERTINO, CALIFORNIA**  
STUDENT, 2017

**UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN**  
BACHELOR OF SCIENCE IN COMPUTER SCIENCE, EXPECTED 2021, 3.64 GPA

**PROJECTS** | **OPEN FRAMEWORKS DRAWING APPLICATION, MAY 2018**

- Worked using Open Frameworks and C++
- An application in which the user can draw, erase, manipulate, save, and open their drawings.

**COURSE RUN, MARCH 2018**

- Worked in a team to create a website
- A course scheduling program using factors such as average GPA, location, and prerequisites.

**2048, MAY 2016**

- Worked in a team to create an object-oriented java program
- A replica of the game 2048 using the ideas of dividing a program into a Model, View, and a Controller

**LEADERSHIP** | **CAMP CODING LEAD, STEVE & KATE'S CAMP, CUPERTINO**  
JUNE 2017 – AUGUST 2017

- Taught children from grades K through 8<sup>th</sup> the basics of coding using a Scratch-based program and a Swift workshop program

**SCOUT AND ELECTRICAL LEAD, CUPERTINO HIGH SCHOOL ROBOTICS, CUPERTINO**  
SEPTEMBER 2013 – APRIL 2017

- Lead a team in designing the electrical system on the robot
- Organized a system in order to efficiently deliver quality data

**INVOLVEMENT** | **THETA TAU BROTHER, UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN**  
16 JANUARY 2018 - PRESENT

- Recently was initiated into the professional engineering fraternity on campus.

**CS 125 COURSE ASSISTANT, UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN**  
16 JANUARY 2018 - PRESENT

- Taught introductory computer science concepts through aiding in lab sections and holding office hours.

**HACK ILLINOIS, UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN**  
15 SEPTEMBER 2017 - PRESENT

- Aided in organizing the hackathon held at the school by working with restaurants, talking to mentors and VIPs for workshops, and helping organize the opening and closing ceremonies

**COURSEWORK** | MULTIVARIABLE CALCULUS  
CS 126 - SOFTWARE DESIGN STUDIO  
CS 173 - DISCRETE STRUCTURES  
LINEAR ALGEBRA

AP COMPUTER SCIENCE  
AP PHYSICS C: MECHANICS  
AP PHYSICS C: ELECTRICITY & MAGNETISM  
CS 125 – INTRO TO COMPUTER SCIENCE

**SKILLS AND ABILITIES**

- i. Advanced knowledge of: Java, Adobe Photoshop, Git
- ii. Proficient knowledge of: JavaScript, Solidworks, Adobe Illustrator, C++, and SVN
- iii. Ability to speak English, Hindi, and French