

Adiyan Kaul

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OBJECTIVE

- Highly motivated and passionate high school sophomore looking to gain research experience in the field of computer science through a summer internship.

EDUCATION

CUPERTINO HIGH SCHOOL - CUPERTINO CA

Expected graduation, May 2017 (3.95 G.P.A. Unweighted, 4.1 G.P.A Weighted)

Current AP Classes:

1. AP Calculus BC
 2. AP Computer Science
- (2310 SAT Score)

WORK EXPERIENCE

Lawson Mathcounts, Cupertino, CA

Coach June 2015- Present

- I help a team of around 30 people to learn advanced math to do well at mathcounts
- I organize meetings, make worksheets, and teach people on how to solve difficult math problems necessary to do well in mathcounts

Ro Khanna Campaign for Congress, Cupertino, CA

Leader June 2014- Present

- Regional leader of Cupertino for the Ro Khanna campaign
- Lead a team of 40 people to campaign for Ro Khanna
- I organize meetings, go door to door knocking to convince people to vote for Ro, and arrange times for Ro to speak with people from different schools

San Jose State, Cupertino, Ca

Research Intern March 2016- Present

- I work with Dr.Bindal from San Jose State and the robotics team
- Specialize in coding and helping building the robots

COMMUNITY SERVICE

Free The Children, San Francisco, CA

Active Member August 2014 - Present

- I am a very active member of Free The Children which is a nonprofit organization that helps poor children have an education, food, shelter,etc from around the world.
- I have had lots of experience being part of events to help others, which are truly humbling. I have really matured as a person being around people less fortunate than me and it is something that makes me a more aware person.

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Boy Scouts, Cupertino, CA

Senior Patrol Leader June 2015- Present

- I lead a troop of 80 people and have to manage countless events, programs and weekly meetings to make sure that I lead my troop in the right direction.
- Have to constantly communicate with adult leaders to ensure everything's running the way it should
- Directed and Led community service events around the neighborhood to help people

EXTRACURRICULAR ACTIVITIES

CUPERTINO SPEECH AND DEBATE - CUPERTINO CA

Parliamentary Debate Captain May 2015 - Present

- Ranked #100 in the nation for Parliamentary Debate.
- Organized and managed club membership, paperwork, and tournament applications.
- Coached and mentored novice speakers and debaters through regular lessons and lectures.

CUPERTINO HIGH SCHOOL TENNIS TEAM

January 2014 - Present

- Varsity Number 3 Singles team member.

CUPERTINO MODEL UNITED NATIONS - CUPERTINO CA

Member August 2015 - Present

- Honorable mention at SCVMUN for best delegate award
- Confident and Enthusiastic speaker

CUPERTINO FUTURE BUSINESS LEADERS OF AMERICA - CUPERTINO CA

Member August 2014 - Present

- Made it to the FBLA states for network design
- Volunteered for multiple events through FBLA to help poor people

CUPERTINO ROBOTICS - CUPERTINO CA

Team Leader August 2015 - Present

- I was a team leader for team 7610
- Hardware lead and came up with unique ideas to get a robot up a mountain obstacle
- Helped make the robot with my knowledge of hardware

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Projects

Synopsis Science Fair, Cupertino, CA

December 2014- March 2015

- Made a flexible triboelectric generator that generated electricity through friction
- Built a contraption to test the generator and it yielded with 5 volts of energy which is substantial for a generator about 10 cm long
- Experimented with different materials to find the ideal materials which would create a dipole layer allowing for the generation of electricity

Summer, Cupertino, CA

June 2015- Present

- Currently working on releasing a social media app called glasses which allows one to connect with others in one's location
- Wrote a machine learning algorithm in python to censor any explicit posts or comments through the use of the levenshtein algorithm

Hacking EDU, Cupertino, CA

October 2015 - Present

- Wrote a machine learning algorithm to identify how much time one should spend on their homework
- The app factors in the person's grades and prior habits while using the app to ensure the optimum amount of time is put into each class period

Make Hacks, Cupertino, CA

November 2015 - Present

- Made an app with my team to help ameliorate the refugee crisis in Syria
- The app allowed users to register their homes as safe houses and allowed users to check in those people
- Can be used in emergency situations like hurricanes as well

Los Altos Hacks, Cupertino, CA

January 2016 - Present

- Made the entire web part of our app which crowdsourced emergency responses
- Currently working with the National Association of Social Work to launch our app

Synopsis Science Fair, Cupertino, CA

December 2015- Present

- Currently working on a project which uses drones to assist with search and rescue missions

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- Mounted a raspberry pi and a raspberry pi camera on a 3DR Y6 drone with the capability to identify and count people from above and guide these people to previously designated “safe” locations.
- Wrote code to identify people using computer vision and the D*Lite pathfinding algorithm in C++ and Python to help navigate people.
- Used algorithm’s fast-replanting capabilities to guide a drone in an unfamiliar and dynamic environment.

SKILLS

Strong writing skills.

Confident public speaker and communicator.

Fluency in English, Hindi, and Kashmiri; basic Spanish capabilities.

Experience with basic computer programs (Word, Excel, Powerpoint, various online tools).

Can program with JavaScript, Java, Python, Node.js, HTML/CSS, jQuery, Bootstrap,

Materialize.css, Swift, R, AngularJS, and basic C++

Organization, dedication, responsibility, and hard work.

AWARDS AND HONORS

SCU Dempsey Cronin Invitational - Octofinalist in Parliamentary Debate - November 2014

SCU Dempsey Cronin Invitational - Second Place Speaker Award in Parliamentary Debate - November 2014

Stanford Proco- 1st place in the Novice Division- May 2015

Make Hacks - 3rd place and Best Social Good Hack - November 2015

CU Hacks- 1st place in Best Game Hack - June 2015

Synopsis Science Fair- 2nd place in Engineering Project- March 2015

FBLA- Made States for Network Design- April 2015

SCU Dempsey Cronin Invitational- Fifth Place Speaker Award in Parliamentary Debate - November 2015

SCU Dempsey Cronin Invitational- Quarterfinalist in Extemporaneous Speaking - November 2015

Association of Computational and Math Modeling- Gamma Prize Winner (top 15%) — 2015

Los Altos Hacks - Best use of Microsoft Technologies- January 2016

MLK- Octofinalist in Parliamentary Debate - January 2016

MLK- Quarterfinalist in Extemporaneous Speaking - January 2016

REFERENCES

Anna Tran

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Math Teacher

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