

Abhay Negi

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Education

2016 - Present University of California, Davis
Bachelor Degree, Mechanical Engineering
Bachelor Degree, Aerospace Science and Engineering, Both expected June 2020
GPA: 3.837

Fall 2016 Physics Honor Student
- Winter 2018 *Enrolled in university physics honors series which teaches physics in greater depth, covering topics such as relativity, statistical mechanics, quantum mechanics, semiconductors, etc. with a more theoretical and rigorous approach*

Skills

Languages: Fluent in Hindi and Urdu, Proficient in Spanish
Computer: Solidworks, ESPRIT Java, C, MATLAB, MS Word, MS Excel, PowerPoint, Photoshop
Machining: Mill, Lathe, Drill Press, CNC Machining
Communication: Proficient in public speaking and interpersonal skills, business outreach, presentations

Experience

July 2017 **Designer and Drafter**
- Present *Designing vacuum deposition chamber to be used in DarkSide-50 dark matter research. Using SolidWorks to model the system and create drawings.*

Summer 2013, 2014 **Community Youth Center Intern**
Student leader for a youth enrichment summer program, planned and led students in 2nd and 5th grade in lessons, activities, and field trips.

Activities

February 2018 **Hyperloop Team at UC Davis Team Member**
- Present *Team's goal is to design pod for Hyperloop Competition. Currently member of wheels control sub-team and working on microcontroller for wheels.*

September 2017 **Space and Satellite Systems Club Member**
- Present *Club's mission is to design and launch CubeSat into low-Earth orbit. Currently member of attitude control sub-system and working on magnetic field modelling and coil design.*

March 2016, 2017 **The Pizza Run Race Director**
Planned and directed fun-run/race to bring together the community to fund the construction of a synthetic track at high school and raised over \$15,000. Contacted corporate sponsors, advertised, worked out event logistics, coordinated 100+ volunteers and 250+ participants.

August 2015 **Student Body Council Vice President**
- May 2016 *Organized and facilitated meetings, created agendas, worked with school administrators.*

August 2012 **Lowell Cross Country and Track**
- May 2016 *Team captain for Cross Country in Fall 2015 and Track in Spring 2016. 2-3 hour commitment 5-6 days a week, competed at State Championships twice.*