

TEJASVI KOTHAPALLI

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Age: 17 Citizenship: United States

GOAL

Pursue undergraduate study and research in the areas of Energy Conservation and Energy Efficiency in Smart Homes, and NASA tensegrity robots.

EDUCATION

LYNBROOK HIGH SCHOOL, SAN JOSE, CA (Aug 2014 - Jun 2018)

STUDIES BEYOND HIGH SCHOOL

- West Valley College (Aug, 2017 - Jun, 2018)
 - Math 004A Intermediate Calculus (Multivariable Calculus) (Fall 2017, In Progress)
 - Differential Equations (Spring 2018, Planned)
- John Hopkins Center for Talented Youth (Jun 11 - Sep 11, 2017)
 - Linear Algebra
- Legend College Preparatory (Summer, 2016)
 - AP Physics 2
- Archbishop Mitty High School (Summer, 2015)
 - Chemistry
- Udemy: Online course
 - The Complete Web Developer Course

HONORS AND RECENT ACTIVITIES

ACADEMIC

- Research Intern - NASA AMES Research Center (Jun, 2016 - Aug, 2017)
 - Performed research and open sourced code for NASA tensegrity robot simulation
 - Paper: Tejasvi Kothapalli and Adrian Agogino, "Controlling Tensegrity Robots through Evolution using Friction based Actuation", NASA Technical Report, December 2017 (Under Review)
- Self-directed research project in resident energy conservation (Jun, 2015 - Nov, 2017)
 - Paper: "Saving Energy in Homes Using Wi-Fi Device Usage Patterns" (IEEE Access - Submitted/Under Review)
 - "Method and Apparatus for Reducing Energy Wastage in Homes" U.S. Provisional Patent Serial No. 62/562,453, filed 09/24/2017
- National AP Scholar (Jul, 2017)
- USA Computing Olympiad: Platinum (Dec, 2016), Gold (Dec, 2015)

NON ACADEMIC

- Officer Web Master - Lynbrook DECA Business club (Jun, 2015 – Jul, 2017)
- DECA Entrepreneurship Franchising Business Plan, 2nd Place State Level (Mar, 2017)
- DECA Silicon Valley Career Development Conference, Business Plan 4th place (Jan, 2016)
- First Tech Challenge Robotics – Inspire Award and Motivate Award (Jan, 2015)
- Speech and Debate – Semifinalist at Santa Clara University (Nov, 2014)