

# ADIT DHANUSHKODI

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## EDUCATION

**Franklin W. Olin College of Engineering** Needham, MA | Sept. 2012- May 2016

- Candidate for Bachelor of Science in Engineering; 3.88 GPA. Recipient of 4 year, 50% Olin Merit Scholarship
- Coursework includes: Software Design, Mechanics, Design Nature, Dynamics

**Cupertino High School** Cupertino, CA | Sept. 2008 - June 2012

- High School Diploma, National Honor Society

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## WORK EXPERIENCE

**Research Assistant** Olin College | Summer 2013

- Worked as a research assistant on a project involving aeroelastic and vibration energy harvesting with a professor of Mechanical Engineering at Olin
- Re-designed and built various parts of a wind tunnel test rig and compared results to a MATLAB model of the system.

**Post Graduate Planning Student Worker** Olin College | Fall 2013

- Helped Olin's Post Graduate Planning advertise events by designing creative print media to publicize PGP events

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## PROJECTS

**Mechanics of Kan-Jam** Olin College | Spring 2013

- Used MATLAB to simulate the physical system of Kan-Jam, a game involving a frisbee
- Wrote a paper using the MATLAB model about whether the scoring of Kan-Jam is appropriate

**Design of a Bio-Inspired Transporter Toy** Olin College | Fall 2012

- Developed and built a transporter toy for fourth graders based on the motion of a Gibbon
- Used an iterative design process to create a unique and engaging transporter toy

**Webcam Based Gesture Control** Olin College | Spring 2012

- Worked on a four person team to write software in python to recognize hand gestures using a computer's webcam and use this input to control the computer

**Design of a Responsive Portfolio Website** Cupertino, CA | Summer 2013

- Built a completely responsive portfolio website from scratch using HTML, CSS and JavaScript.

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## ACTIVITIES

**Research of Electric Vehicles at Olin** Olin College | Fall 2012 - Present

- Current Powertrain sub-team Leader of an on-campus club that designs and builds electric vehicles

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## SKILLS

**Computer:** Java, Python, HTML/CSS, MATLAB, Solidworks, Indesign, Photoshop, Illustrator

**Machine Shop:** Drill Press, Band Saw, Belt Sander