

# 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, Modeling and Simulation

**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 at Olin College over the summer.
- Re-designed and built various parts of a wind-tunnel test rig and matched results from the test rig to a MATLAB model

**Website Scraping** | Learn BIG | Summer 2013

- Used Python and Javascript to scrape metadata from various online education resources for further analysis

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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 on a Gibbon.
- Used an iterative design process to create a unique and engaging transporter toy

**Webcam Based Gesture Control** | Olin College | Spring 2013

- 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.

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## ACTIVITIES

**Troop 407, Boy Scouts of America** | Cupertino, CA | Fall 2005 - July 2012

- Obtained the rank of Eagle and the Bronze Eagle Palm
- Acted as Senior Patrol Leader, Instructor and Scribe over the course of 7 years.

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

- Participated in an on-campus club that designs and builds electric vehicles.
- Led a team of 5 people in researching and designing a regenerative braking system

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## SKILLS

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

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