

# John Paul Lubran

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## Education

Bachelors of Science in Mechanical Engineering 3.50 GPA  
University of California, Santa Barbara Expected Graduation June 2017  
Relevant Coursework: Statics, Strength and Materials, Dynamics, CAD Design, Physics for Physics Majors, Programming for Engineers, Writing for Engineers, Thermo-sciences, Fluid Mechanics, Materials, Vibrations, Numerical Analysis, Mechatronics, Structures, Design Optimization, Finite Element Analysis.

## Technical Skills

Programming in C#, C++, Lua and Matlab Microsoft Office and Latex  
Graphical Design in Solidworks Proficient in Comsol and Abaqus

## Projects

- Kinematic Mapping Software for Capstone, UCSB, CA. June 2017
- Led a team of three engineering students to fully design an optical tracking software for Orbital ATK
  - Developed and experimentally verified accuracy of tracking system
  - Prepared weekly and biweekly review sessions to discuss progress on the project
- Coffee Vending Machine Arm for Design, UCSB, CA. May 2016
- Led a team of six engineering students to fully design a Coffee Vending Machine Arm from scratch
  - Built a CAD model and assembly of the design, and constructed a working prototype
  - Created a 30 second video showing off the build process
- Cube-a-pult for CAD Design, UCSB, CA. May 2015
- Organized a team of four engineering students to fully design a trebuchet from scratch
  - Constructed, iterated, and completed the trebuchet design for a competition
- Desk-Pak Proposal for Writing for Engineers, UCSB, CA. May 2015
- Led a team of four engineering students to design and formalize a new idea within a deadline
  - Wrote proposal cooperatively with the team, and submitted it on time
- Math Association of America award for Space Elevator Design, San Diego, CA. April 2013
- Created a radius optimization model to relate technological levels and profit for the cable
  - Presented project for the Spring 2013 SoCal Nev Section Meeting as a Student Poster Project

## Leadership and Work Experience

- Senator of Associated Student Organization at LA Pierce College, CA September 2012-June 2013
- Represented the Math Department for Pierce College in the Student Government
  - Attend Senate for weekly meetings to discuss and vote on Student Government Actions
- President Business and Economics Student Association, Pierce College September 2012-June 2013
- Planned and advertised Public Debate events to encourage discussion on economics
  - Organized voting, research, and investment in foreign individuals as group charity
- Co-President of Math Club at Los Angeles Pierce College, CA September 2011-June 2013
- Advertised and prepared for annual AMATYC, a fun math exam
  - Attended monthly meetings to coordinate funding and events with the Student Government
- Professional Actor January 1998-September 2013
- Performed in hundreds of commercials, dozens of TV shows and a few movies

## Achievements

Dean's list at University of California, Santa Barbara 2014 - 2015  
President's List at Pierce College 2013  
Black Belt in Tung So Do, Karate 2012