

## Objective

To utilize my technical expertise in the mechanical and aerospace fields along with my passion for programming to work on challenging projects that require both physical and computer solutions.

## Education

### Masters of Science: UCLA

Graduated June 2015

Major: **Aerospace Engineering**  
Focus: **Systems and Control**

### Bachelors of Science: UCLA

Graduated June 2014

Major: **Mechanical Engineering**  
Technical Breadth: **Computer Science**  
Latin Honors: **Summa Cum Laude**

## Work Experience

### SolidWorks 2014 Beta Support: Dassault Systemès

Summer 2013

Acted as a direct line of support with customers for the SolidWorks 2014 Beta at the Woodland Hills office in Los Angeles. Processed service requests from customers of several countries, filed bug and enhancement reports and revised SolidWorks training manuals and the online knowledge base.

### Teaching Assistant: UCLA

Fall 2014 – Spring 2015

Led labs and discussions for both the Mechanical Engineering and Life Science departments. For receiving outstanding teaching evaluations I was awarded "Certificate of Distinction in Teaching" by the UCLA Life Sciences Division.

### Rockwall Supervisor: UCLA Recreation

Spring 2013 – Spring 2014

Bringing my passion for climbing to the workplace, I hired capable and enthusiastic employees who helped keep the facility fun, safe and clean. Under my leadership the UCLA Rockwall had an increase in patrons for two consecutive years.

### Rockwall Staff: UCLA Recreation

Fall 2011 – Spring 2013

Utilized extensive rock climbing knowledge to teach patrons climbing technique and how to safely use the equipment. Ensured a safe and welcoming facility through constant vigilance and enthusiasm. There was not a single recorded injury sustained during my shifts at the rock wall.

### Laborer: AJ Gray Construction / Radice Construction

Summer 2008, 2009, 2011

Demonstrated my ability to take orders and learn quickly in an arduous work setting.

## Programming

- Notable projects are presented on my website (david.vaskos.com) which include: Finite element solver for membranes using MATLAB, Finite volume solver for 2D flow using MATLAB, 3D online exploration game using Javascript and WebGL and an autonomous collection and deployment robot using LabView.
- Proficient at programming in C++, Javascript, Python, HTML 5, MATLAB, LabView, Lisp and at using WebGL

## Technical Skills

- Certified on SolidWorks 2013 (CSWA)
- Proficient using SolidWorks Simulation 2013 and COMSOL Multiphysics
- Proficient using LATEX
- Certified at UCLA student machine shop (Mill, Lathe, Drill press, Grinder, Water Jet, 3D Printer)

## References

- Tony Tsao: 1-818-673-2062 (office), tony.tsao@3ds.com
- Brian Pritchard: 1-310-499-6381 (cell), bpritchard@recreation.ucla.edu
- Will Conley: 1-424-209-2082 (cell), wconley@math.ucla.edu