

Jason Cheung

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Education & Honors

University of California, Berkeley

Bachelor of Science, Mechanical Engineering GPA: 3.7

Honors: 1 of 5 Charles & Daisee Seffens Scholarship recipients, for distinguished students pursuing a Mechanical Engineering degree at UC Berkeley

Berkeley, California
August 2014 - May 2018

Castro Valley High School

High School Diploma, GPA: 4.36, ACT: 34

Castro Valley, California
August 2010- June 2014

Work Experience

Lab Assistant II

National Instruments funded Lab at UC Berkeley

Model dynamic simulations using Autodesk Inventor to interface with Modelica and Labview in order to find a system that allows Inventor and Labview to fully interact with each other.

Berkeley, California
May 2015 - Present

Director of Design and Front End Developer, Founder

Greek Social

Managed the company vision of how the site will be used and viewed by users by leading the design of the website. We help the fraternity and sorority community host safer events.

Berkeley, California
October 2014 - Present

Mechanical Engineering Extern (NDA signed)

L-3 Communications: Power Paragon

Shadowed and supported a group of 3 Mechanical Engineers, learning and understanding FEA, hand analysis, 3D CAD, shock analysis, tolerance analysis. Discovered a usability issue with an electromechanical assembly that would have prevented proper functionality. Spent time familiarizing myself with the industry SOP, and wrote an engineering change report.

Anaheim, California
January 2015

Assistant Mechanic

Auto Sports Haus

Upgraded and modified air intakes, brake systems, and suspension. Familiarization with many components and tools that are related to automobiles

Alameda, California
August 2012 - August 2014

Extracurricular Activities

Undergraduate Research Assistant

Inertial Storage and Recovery (INSTAR) Lab

Analyze the capabilities of how the flywheel was mounted, and what could be done to improve it, taking into account road vibrations, stress, and the 200kJ of rotational kinetic energy stored in the flywheel.

Berkeley, California
February 2015 - Present

Suspension Team Member, Competition Driver

UC Berkeley Formula SAE

Drive the formula style racecar at the annual competition. Designed and performed stress analysis on a mount that secures infrared temperature sensors for the rear tires. Added onto knowledge transfer reports that effectively reduce the learning curve for future members performing related task.

Berkeley, California
September 2014 - Present

Projects

Walker and Side Bedrail

Goal: To improve my grandmother's mobility and life

I researched all kinds of walkers and side bedrails, took what I learned, and combined different aspects into what suited my grandmother best.

Castro Valley, California
May 2013 - June 2013

Power Generating Glider Chair

Goal: To use the rocking motion of a chair to power multiple electronic devices

Currently in the prototyping phase of designing a glider chair that will seamlessly pair the soothing glider chair experience with the ability to charge electronic devices.

Berkeley, California
May 2015 - Present

Skills & Interests

Skills: Solidworks (60hr+), Inventor (10hr+), AutoCAD (50hr+), HTML5/CSS (70hr+) JQuery (5hr+)

Hobbies: Racing cars and go karts, tennis, skiing