Jason Cheung

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Education & Honors

University of California, Berkeley — Berkeley, California
Bachelor of Science, Mechanical Engineering GPA: **3.88** — August 2014 - May 2018
Honors: 1 of 5 Charles & Daisee Seffens Scholarship recipients, for distinguished students pursuing a Mechanical Engineering degree at UC Berkeley

Castro Valley High School — Castro Valley, California
High School Diploma, GPA: 4.36, ACT: 34 — August 2010- June 2014

Work Experience

Lab Assistant II — Berkeley, California
National Instruments funded Lab at UC Berkeley — May 2015 - Present
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.

Director of Design and Front End Developer, Founder — Berkeley, California
Greek Social — October 2014 - Present
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.

Mechanical Engineering Extern (NDA signed) — Anaheim, California
L-3 Communications: Power Paragon — January 2015
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.

Assistant Mechanic — Alameda, California
Auto Sports Haus — August 2012 - August 2014
Upgraded and modified air intakes, brake systems, and suspension. Familiarization with many components and tools that are related to automobiles

Extracurricular Activities

Undergraduate Research Assistant — Berkeley, California
Inertial Storage and Recovery (INSTAR) Lab — February 2015 - Present
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.

Suspension Team Member, Competition Driver — Berkeley, California
UC Berkeley Formula SAE — September 2014 - Present
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.

Projects

Walker and Side Bedrail — Castro Valley, California
Goal: To improve my grandmother's mobility and life — May 2013 - June 2013
I researched all kinds of walkers and side bedrails, took what I learned, and combined different aspects into what suited my grandmother best.

Power Generating Glider Chair — Berkeley, California
Goal: To use the rocking motion of a chair to power multiple electronic devices — May 2015 - Present
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.

Skills & Interests

Skills: Solidworks (60hr+), Inventor (10hr+), AutoCAD (50hr+), HTML5/CSS (70hr+) JQuery (5hr+)
Hobbies: Racing cars and go karts, tennis, skiing