

Huajian George Huang

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Education

University Of California, Berkeley - Berkeley, CA

B.S. Mechanical Engineering, expected graduation: May 2016, **Current GPA: 3.939**

Research Positions

Berkeley Robotics & Human Engineering Laboratory

Jan. 2015 – Present

Topic: *Exoskeleton Control and Design.*

Advisers: *Prof. Homayoon Kazerooni, Dr. Wayne Tung*

Poly-PEDAL Laboratory

July 2013 – May 2014

Topic: *Bio-inspired robotics.*

Adviser: *Dr. Chen Li*

Selected Projects (Available In YouTube, Channel Name: George Huang)

[1] Leg Support Exoskeleton Control System and Hardware Improvement

[1] Robotics Foosball Table

[2] Self-erecting Inverted Pendulum with Small Disturbances Rejections

[3] Magnetic Levitation of Steel Balls

[4] Von Karman Vortex Finite Element Analysis

Professional Experiences

Cepheid-----Diagnostic Consumables Engineering Intern and Intern Project Lead May 2014 - Aug. 2014

- Designed and improved fixtures for various test, performed tests and analyzed data for design change
- Led a team in the intern project to reduce wastes generated in manufacturing
- Experimented and performed precision measurements to help debug emergent issues

Pre-Engineering Program at UC Berkeley----Instructional Tutor for Summer Aug. 2013 - Sept. 2013

- Taught and tutored during discussion and study sections

Technical Skills

From Coursework	Software	Others
Controller Design / Control Scheme	SolidWorks—Certified Associate	Mandarin & Cantonese Chinese
Engineering Mechanics	MATLAB & Simulink	Teaching & Mentoring
Engineering Drawing with GD&T	LabVIEW—Certified Associate	Experiment & Hardware Design
Finite Element Analysis	Adobe Illustrator & Photoshop	Laser Cutting

Awards and Honors

• Dean's Honors List (3 years)	For students with top academic achievement in the college
• Cal Opportunity Scholarship	Full ride scholarship
• Boeing Engineering Scholar	Selected ten scholars receiving a Boeing scholarship
• Pi Tau Sigma	Mechanical Engineering Honor Society, Control Tutor