

KEVIN YU

- 1910 Rio Grande, Austin, TX 78705 • (949) 325-5775 • kevin14@utexas.edu
- Permanent address: 8 Frost, Irvine, CA 92617

Objective: Seeking summer internship opportunity

EDUCATION

The University of Texas at Austin	BS, Mechanical Engineering; Certificate of Computing, Computer Science	2015-2019
Relevant Courses Taken	Mechanics of Solids, Fluid Mechanics, Thermodynamics, Engineering Physics, Statics, Engineering Design & Graphics, Engineering Statics, Engineering Communication, Matrix Calculations, Software Design	

PROFESSIONAL CERTIFICATE

• Certified SOLIDWORKS Associate for Mechanical Design by Dassault Systèmes SOLIDWORKS Corp	02/2016
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WORK EXPERIENCE

ReWire Laboratory, University of Texas at Austin – Lab Researcher; Austin, TX	06/2016 - Present
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- Created SolidWorks simulations of flexure sensors for a rehabilitation device to help stroke patients regain fine motor control
- Utilized fatigue studies, design studies, and design tables to calibrate a sensitive flexure sensor
- Constructed a Jansen Mechanism for stroke rehabilitation and prototyped aluminum linkage designs
- Utilized PhaseSpace to record motion of Jansen Mechanism
- Coordinated designs and manufacturing of the flexure sensor

Microbiomechanics Laboratory, University of California Irvine – Lab Researcher; Irvine, CA	07/2014, 06-07/2015, 01/ 2016
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- Created SolidWorks animations and models of a self-diagnostic device for malaria disease, including mobile phone, ceramic swab, electric plug, and saliva cup
- Conducted various computer simulation projects on metal thermal expansions, flow channels, wind tunnels, and electrical busbars using SolidWorks and COMSOL Multiphysics; tested thermal processes, metal properties, mesh geometry, and fluid variables
- Actively engaged discussions with professors and team members; worked over 350 hours during summer and winter breaks

Mobius at Your Service LLC, Austin, TX – Founder and Owner, Austin, TX	08/2015 - Present
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- Manage a rental property including finance and maintenance, gained management skills

EXTRACURRICULAR ACTIVITIES & HONORS

• National Society of Collegiate Scholars Award	03/2016
• 1 st Award in Teen Group, American Powerlifting Federation Meet at Buellton, CA	07/2015
• Powerlifting School Team, University of Texas at Austin Trained 12 hours a week, competed and volunteered at collegiate meets	08/2016 - Present
• Longhorn Racing Team, University of Texas at Austin Compete in international design competition by designing, building, and racing a formula-style, single-seater race car	01/2017 - Present

ADDITIONAL INFORMATION

Computer Skills: MS Word, Excel, PowerPoint, Java, Python, SolidWorks, MatLab, Basic knowledge of COMSOL
Languages: Native English; took Spanish classes;
Citizenship: United States

REFERENCE

Prof. William Tang, Dept. of Biomedical Engineering, Univ. of California Irvine, wctang@uci.edu, (949) 824-9892