**Kevin Yu**

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• Permanent address: 8 Frost, Irvine, CA 92617

***Objective: Seeking summer internship opportunity***

**EDUCATION** \_\_\_\_\_\_\_

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

**PROFESSIONAL CERTIFICATE**

* Certified SOLIDWORKS Associate for Mechanical Design by Dassault Systèmes SOLIDWORKS Corp 02/2016

**WORK EXPERIENCE**

**ReWire Laboratory, University of Texas at Austin** – *Lab Researcher; Austin, TX* 06/2016 - Present

* 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

* 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

* Manage a rental property including finance and maintenance, gained management skills

**EXTRACURRIVULAR ACTIVITIES & HONORS** \_\_\_\_\_\_

* National Society of Collegiate Scholars Award 03/2016
* 1st Award in Teen Group, American Powerlifting Federation Meet at Buellton, CA 07/2015
* Powerlifting School Team, University of Texas at Austin 08/2016 - Present

Trained 12 hours a week, competed and volunteered at collegiate meets

* Longhorn Racing Team, University of Texas at Austin 01/2017 - Present

Compete in international design competition by designing, building, and racing a formula-style, single-seater race car

**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