PEGGY (YUCHUN) WANG

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EDUCATION

STANFORD UNIVERSITY, STANFORD, CA – B.S. CANDIDATE IN BIOMECHANICAL ENGINEERING | COMPUTER SCIENCE MINOR | GPA: 3.491/4.0

SKILLS

- C++, Java, HTML, CSS, Matlab
- CAD (Solidworks)
- Arduino and circuit prototypes
- Laser cutter, 3D printer prototyping
- Graphic Design - Sketch App
- Bilingual Fluency in Chinese

TECHNICAL WORK EXPERIENCE

RESEARCH ASSISTANT, BIOMIMETICS AND DEXTEROUS MANIPULATION LAB (BDML) @ STANFORD UNIVERSITY, CA – JUNE 2017 - PRESENT

Collected and analyzed kinematics data of bird landing and perching movements using Matlab, designed and set friction testing experiment with distance sensors for bark materials, prototyped improved design for gecko adhesive glove, used Solidworks to design shelves for Brunelleschi's Dome replica, measured coordinates of dome replica using Universal Robot 5, designed and edited research summary poster and presentation

TEAM MEMBER, FOOT++, BERKELEY, CA – NOV. 2016 - PRESENT

Designed and built a low-cost prototype of a functional electrical stimulator to contract affected muscles in people with foot drop, wrote and filed provisional patent, developed and updated company website, conducted market research, designed company logo

IT INTERN, HAMILTON SCHOOL DISTRICT, SUSSEX, WI – JUNE 2014 - AUGUST 2014

Imaged 1000+ used computers, installed new computers, troubleshooted computer problems for teachers and staff; managed district devices using Microsoft SCCM 2012; organized network cables, fixed network ports, rewired laptop carts

ACTIVITIES AND LEADERSHIP

Stanford Society of Women Engineers (SWE) Career Development Intern, Stanford Robotics Club Lead Event Organizer, Business Association of Stanford Entrepreneurial Students (BASES) Global Impact Officer

ENGINEERING COURSEWORK

Already Taken: Linear Algebra, Programming Methodology, Intro to Electrical Engineering, Organic Chemistry

Taking this year: Data Structure, Genetics, Physiology, Intro to Solid Mechanics, Dynamics, Computer Systems, Intro to Probability and Statistics, Differential Equations, Intro Fluids Engineering, Mechanics of Materials, Mathematical Foundations of Computing