
PEGGY (YUCHUN) WANG

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EDUCATION

STANFORD UNIVERSITY – B.S. CANDIDATE IN **COMPUTER SCIENCE: ARTIFICIAL INTELLIGENCE TRACK | MECHANICAL ENGINEERING MINOR** | GPA: 3.514/4.0 | ROBOTICIST

SKILLS

- Familiar in C++, Java, Python, C#, HTML/CSS, Matlab, Arduino, OpenCV
- CAD (Solidworks)
- Laser cutter, 3D printer prototyping
- Game Design using Unity
- Bilingual fluency in Chinese

RELEVANT COURSEWORK

CS221: Artificial Intelligence: Principles and Techniques, AA274: Principles of Robotic Autonomy, CS107E: Computer Systems, CS106B: Programming Abstractions, ENGR40M: Intro to Electrical Engineering, ENGR14: Solid Mechanics, MATH51: Linear Algebra and Differential Equations, CS109: Intro to Probability for Computer Scientists, CS103: Mathematical Foundations of Computing

WORK EXPERIENCE

MECHANICAL ENGINEERING RESEARCH INTERN, BIOMIMETICS AND DEXTEROUS MANIPULATION LAB (BDML/CUTKOSKY LAB), STANFORD UNIVERSITY – 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++, SAN FRANCISCO, 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

EXTRACURRICULAR ACTIVITIES AND LEADERSHIP

HEAD EVENT ORGANIZER, STANFORD ROBOTICS CLUB LEADERSHIP, STANFORD, CA – JANUARY 2017 - PRESENT

Helped grow the team from 20-60+ members, focusing on marketing, community development, and event organization. Lead organization of events such as Hacking Hours, Coffee Chats, and Community Socials. Created marketing posters and emails. Effectively delegated tasks such as securing venue and food

VISION TEAM MEMBER, STANFORD UAV CLUB, STANFORD, CA – OCTOBER 2017 - PRESENT

Developed localization system used in competing in the AUVSI competition, used computer vision and deep learning algorithm to identify target sightings on image retrieved by team-built aircraft using OpenCV and SURF algorithm, built and autonomously flew personal UAV

ADDITIONAL ACTIVITIES AND LEADERSHIP

Stanford Society of Women Engineers (SWE) Career Development Intern, StartX Resource Partnerships Intern, Business Association of Stanford Entrepreneurial Students (BASES) Global Impact Officer, Vice President of Stanford Wing Chun Club