Yuanhao Zhu

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Educational Background

University of California, San Diego   Anticipated Graduation: September, 2020
BS in Cognitive Science specialized in design and interaction
BS in Human Biology
Core courses of Cognitive Science specialized in design and interaction: Data Science in Practice (Python), Java, MATLAB, Neuroscience, Human Computer Interaction Design, Web Design (CSS, Java Script, HTML)
Core courses of Human Biology: Genetics, Organic chemistry with lab, Human Physiology, Metabolic Biochemistry, Biochemical techniques (lab), Recombinant DNA techniques (lab), Molecular Biology, Pharmacology, Neuroanatomy
Program of Concentration: Studio Art (Chinese Calligraphy, Sculpture, Painting, Sketch, Performance Art)
GPA: 3.904/4.000
Honor and award: Warren college Provost Honor since 2016 spring--now

Professional Skills

Computer: Procreate, Python, Java, MATLAB, Minitab, Microsoft Office, Photoshop, VisualBasics, Xd, Figma, CSS, Java Script, HTML,
Dental: certificated Dental X-ray technician
Biology: Finch TV, Image studio lite, Agarose Gel Electrophoresis, Site Directed Mutagenesis, Recombinant plasmids, Plasmid extraction and transformation, Growing liquid Bacterial Cultures, PCR amplification, Genotyping, Induction of RNA interference
Teaching: Instructional Apprentice

Work Experience

UCSD Cognitive Science Instructional Apprenticeship   Fall 2016 –Oct 2019
Instructional apprentice for COGS 101A Sensation and Perception
- Check and respond Piazza and email daily
- Lead weekly lab session, instruct students how to use the lab equipment
- Meet with head Teaching Assistant and coordinate lab material weekly
- Grade lab work sheet and upload grades online
- Help proofread all exams and supervise exams
- Grade exam short answer questions
- Hold weekly office hours
- Record participation "opt-out" for students

Dr. Clifford Kubiak's Lab   Spring 2019-Now
Illustrator
- Draw illustration for Chemistry concept
- Visit lab periodically and get inspiration

UCSD Chines Union   Fall 2016 –Fall 2018
CU Officer
- Help website development and social media development
- Organize events, send out fliers and sell tickets for events
- Organize CU Night Market and cook food

UCSD Student Run Free Clinic   Fall 2016 –Oct 2019
Floor Manager, Weekly Email Coordinator, Attendance Coordinator, Shadow, X-ray Technician, chair-side assistant
- Prepare tray and instruments based on procedure
- Input patient information into computer, and pull out when in need
- Making weekly email and send out to all of the subscribers

- Setting up special events and weekly General Body Meeting.
- Accompanying patients, pulling out their patient note history, taking blood pressure and input in to patient note history, educating patients about oral hygiene.
- Setting up dental chair, computer, instruments and X-ray machine.
- Cleaning up the dental chair and used instruments
- Using Air-water syringe, high speed suction and low speed suction to aid dentists.
- Passing instruments to dentists, cutting rubber dam, condense Ag-Hg alloy, and helping mix agents.
- Taking Full Mouth X-ray with film or digital sensor, taking panoramic X-ray and integrating the image into patient note history.

Yuhang Yuhang Hospital   August 29th -September 20th, 2018
Mingfeng Dental Clinic   December 21st- January 1st, 2017
Zhejiang Provincial People's Hospital   August 17th-September 20th, 2017
Volunteer (from 8a.m.-5p.m.)
- Shadowing the procedure of: Routine oral examination, Root canal therapy, Teeth cleaning, Extraction, Composite filling, Oral surgery, Orthodontics, Panoramic radiography
- Change new tips and sleeves for low-speed suction and air-water syringe
- Clean up trays after procedure and send hand piece and metal tools to sterilization
- Learn how to do teeth cleaning (on model)
- Prepare patients, placing bib around patients, and providing cups and napkin as in need
- Assist dentists by using air-water syringe and suction, passing instruments and material

Additional
Language: proficient in Mandarin and English