

Yuanhao Zhu

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Educational Background

University of California, San Diego

Anticipated Graduation: September, 2020

BS in Human Biology and Cognitive Science specialized in design and interaction

Core courses of Human Biology: Genetics, Organic chemistry with lab, Human Physiology, Metabolic Biochemistry, Biochemical techniques (lab), Recombinant DNA techniques (lab), Molecular Biology, Pharmacology

Core courses of Cognitive Science specialized in design and interaction: Data Science in Practice (Python), Java, MATLAB, studio art making (Chinese Calligraphy, sculpture, painting, sketch)

GPA: 3.906/4.000

Honor and award: Warren college honor program since 2017 spring--now

Professional Skills

Computer: Python, Java, MATLAB, Minitab, Microsoft Office, Photoshop, VisualBasics

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

Work Experience

UCSD Student Run Free Clinic

Fall 2016 – now

Shadow, X-ray Technician, chair-side assistant

- 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

Menfeng Dental Clinic

December 21st- January 1st, 2017

Volunteer (from 8a.m.-5p.m.)

- 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.
- Learned how to do teeth cleaning
- Shadowing the procedure of: Root canal therapy, Extraction, Composite filling, Orthodontic treatment
- Helping dentists typing in patients' medical record, and pulling out patients' medical history.
- Preparing patients, placing bib around patients, and providing cups and napkin as in need.
- Assisting dentists (using air-water syringe, using saliva ejector, and passing instruments and material)

Zhejiang Provincial People's Hospital

August 17th-September 20th, 2017

Volunteer (from 8a.m.-5p.m.)

- Setting up the dental chair and unit (including tray counter, saliva ejector, air-water syringe), and breaking down the chair and units after use.
- Shadowing the procedure of: Routine oral examination, Root canal therapy, Teeth cleaning, Extraction, Composite filling, Oral surgery, Orthodontics, Panoramic radiography
- Helping dentists typing in patients' medical record, and pulling out patients' medical history.

- Preparing patients, placing bib around patients, and providing cups and napkin as in need.
- Assisting dentists (using air-water syringe, using saliva ejector, and passing instruments and material)

Additional

Language: proficient in Mandarin and English

Student Clubs: Officer in Chinese Union, Active Member in UCSD Pre-Dental