Xuhan Yang

Software Engineer
UI/UX Designer

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SKILLS

Development
Web Development
iOS Development
WordPress & ReactNative

Design
UX ideation and UI Design
VR/AR Design
Prototyping & Testing
Graphic design & Illustration
Adobe Creative Suite
Figma & Sketch

Programming
Strong:
Java, C/C++, Python,
HTML/CSS/JavaScript, Swift
Intermediate:
R, C#, Matlab

Communication
Chinease, English & Spanish
Teamwork & Outreach
Team management

Education

University of California San Diego 2016-2020

Major 1 — Human Computer Interaction (B.S.)

Major 2 — Biology (B.S.)

Minor — Computer Science

Coursework

Computer Science
Data Structure, Algorithm Design, Data Analysis, Computer Vision, Unix, Machine Learning, Objective-oriented programming, HCI Design, Web/iOS development

Cognitive Science
Memory, Sensation, Human-centered Design & Interaction, Neuroscience, Cyborgs

Experience

Center for Peace and Security Studiees, Research Assistant
2019.01 - current
Assisting in applying machine learning and statistical analysis on big data in social and political studies to provide both qualitative and quantitative perspectives on the increasingly complex social and security issues.

Center for Human Imagination, Research Assistant
2018.10 - current
Visualizing data of motion tracking suit, heart rate and EEG signal using Blender and Unity for the study of human mental state and enable the interation of participants with the visualization using Virtual Reality.

Machine Learning Research for Cell Imaging, Research Assistant
2018.10 - current
Assisting in the interdisciplinary study that applies machine learning algorithms to predict the movement of organelles with microscopic images.

Draft.fish, Front-end iOS Prototyping Intern
2018.08 - 2018.12
Prototyping for an AI based planner App during the design and testing loop, which aims at promoting the completion of tasks by offering smart planning according to user's schedule and the emergency level of tasks

Rana Lab at UCSD School of Medicine, Lab Assistant
2017.11 - 2018.03
Analyzing big datasets of genetic sequences by clustering, regressions, PCA, heatmap, time-series analysis and producing visualization of data for reports and paper.