

ZACH Z. WANG

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SKILLS and SUMMARY

Primary Languages: C++, C#, Python, CUDA

Familiar With: HTML, CSS, JavaScript

Focus Area: Computer Vision, Deep Learning, Virtual Reality, Reinforcement Learning, Simulation

Three years of programming experience with various languages. C++ and Python are my most efficient languages due to my interests in computer vision and deep learning. My background in business and technology helps me become a user-oriented developer. This mindset leads me to focus on core business problems and seek optimal solutions.

RESEARCH PROJECTS

- 1) Vertex2Image - Construct Human Figure Based On A Monocular Video
Published In ACM IUI 2023 Conference
- 2) 3D Pose Estimation From Multi-View 2D Joints' Locations
Target At ICCV 2023 Conference

WORKING EXPERIENCES

Remote Contractor, Harbin, China
HanMa Cemetery Service LLC

Aug 2022 - Nov 2022

The company provides cemetery services for Muslim communities in China. The business part I involved in is to use the ArcGIS interface to provide tomb locations based on name searches.

- train a self-supervised model to generate pseudo labels in their raw image dataset for downstream applications
- design a deep learning model to recognize text information in the images and reduced 76% of the workload for employees
- create an internal tool to increase employees' productivity. The average input time of an employee is reduced from 90 seconds per image to 30 seconds per image

Founding Member, San Francisco, CA
Sci-Bots LLC

Jan 2021 - Jun 2022

The company is a non-profit organization that teaches kids between 6 and 10 years old to learn about micro-controller, programming, and robotics in a fun way. We collaborate with DJI and MG Space to design the curriculum. Our website: www.sci-bots.org

- serve as the main curriculum designer and developed 3 classes
- train lecturers for new class materials every week
- supervise class flow and progress

Assistant Manager, Dixon, CA
CP Capital Group Inc.

May 2017 - Jan 2023

The company owns several hotel businesses in the Bay Area and operates tourism business for regular travel groups, student groups, and delegation groups.

- oversee daily operations
- establish and maintain relationships with vendors and clients
- prepare monthly and yearly data dashboard

EDUCATION

Master of Science in Computer Science
San Francisco State University, San Francisco, California

Graduated on Dec 2022

Master of Business Administration
San Francisco State University, San Francisco, California

Graduated on Jun 2019