

Yixuan Ye

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EDUCATION

University of Southern California(USC)

Computer Science Master

Aug 2021 - May 2023
Los Angeles

- GPA: 3.78/4.00
- Related courses: Algorithm Analysis, Data Base, Graphics and Rendering etc

Zhejiang University (ZJU)

Computer Science specialize in Digital Media Technology bachelor

Sep 2017 - Jun 2021
Hangzhou

- GPA: 3.81/4.00
- Honors/Awards: Third class academic scholarship((ZJU, 2020&2018), Academic Excellence Model (ZJU, 2020&2018), Social Work Model (ZJU, 2020&2019&2018), Star Minister (Students Union, ZJU, 2018), 3rd Prize of the 32nd National Physics Competition for Middle School Students (Chinese Physical Society, 2015)

WORK EXPERIENCE

Amazon

Software Engineer Intern

May 2022 - Present
Sunnyvale

- Complete the classification of copyrights, based on Naive Bayes Model. Accuracy is about 94%
- Integrate the classification module into the Amazon License Compliance(ALC) website. Supports functions such as online model update, copyrights modification, and demonstration of machine learning credibility

ByteDance

AI Programmer Intern

Apr 2021 - Jun 2021
Hangzhou

- Complete the virtual idol's lip animation. According to the phoneme input mapping to Blend Shape animation parameters, adjust the animation state machine. Improved animation performance and reduced data redundancy
- Complete the virtual idol chatbot including UI control logic script, network request module, client animation and other module coding. This tool can be used for offline animation testing of virtual idols

ByteDance

Client Programmer Intern

Jul 2020 - Apr 2021
Hangzhou

- Programmed the combat parts of the game with C# and Lua, including scene loading, special effects, sound effects, logical calculation and other client-side methods; completed the transformation of the combat scene from 2D to 3D
- Complete client work such as sound management, joystick mobile characters, game packaging, UI prefab construction and logic code writing
- Participate in the development of DCC art tools and realize the automatic execution of some art works. For example, automatically generate Materials based on texture files, automatically generate .prefab files based on .fbx files, one-click preview of animation .fbx files, model replacement, and so on. This greatly improves the efficiency of art resource iteration
- Develop daily newspaper robot based on Lark workflow and bytedance light service platform. The daily newspaper robot can regularly crawl the daily report and remind colleagues who have not completed the daily report

PROJECTS

Exploration of the Underground

Technical leader, supervised by Prof. Weidong Geng from ZJU

Mar 2020 - Sep 2020
Hangzhou

- Game Video: https://github.com/xuanye233/Computer-Game/blob/master/result_video/result_video.mp4
- Teamed up with seven students in the project of developing a multiplayer adventure online game based on Unity Engine
- Mainly responsible for the technical framework of the game, UI interface writing, prop implementation, version control, etc

DoubleFusion Dynamic Human Body 3D Reconstruction

Core member, supervised by Dr. Weiwei Xu from ZJU State Key Laboratory of CAD&VG,ZJU

Jun 2019 - Jun 2020
Hangzhou

- Employed the Skinned Multi-Person Linear Model to perform real-time hands reconstruction
- Referred to lots of literature reviews to understand hand models such as MANO
- Self-learned the Gauss-Newton method and CUDA programming acceleration

Image Retrieval Website Development

Technical leader, supervised by Prof. Hongxin Zhang from ZJU

Oct 2019 - Jan 2020
Hangzhou

- Utilized python and flask to develop a h5 website that supports SQL statement query, general semantic query, image query, registration and login, AliPay permission, image watermark, and movies recommendation, etc
- Crawled data (name, poster and actor, etc.) of 250 movies from movie.douban.com, designed various image similarity algorithms to support image retrieval of movies

EXTRACURRICULAR ACTIVITIES

Student Union of Zhejiang University

Staff, Deputy chief of staff, Chief of staff

Oct 2017 - Aug 2020
Hangzhou

- Responsible for the management of materials, documents and financial work of the Student Union
- Large-scale campus activities such as New Year's Eve with tens of thousands of participants were held

MISCELLANEOUS

- Programming Language / Platform:** C, C++, C#, Lua, Python, SQL, Unity
- Languages:** English, Mandarin