

XIN YANG

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EDUCATION

Sichuan University, Chengdu, China

Sept. 2015 - (expected) Jun. 2018

M.Sc. Computer Science

Sichuan University, Chengdu, China

Sept. 2010 - Jun. 2014

B.Eng. Software Engineering

DEVELOPMENT EXPERIENCE

Multiple Machine Parallel Rendering with Multiple Load Balancing Methods

- the framework of **multiple-machine parallel rendering**
- 2 load balancing methods: **frame-coherence-dispatcher**, **uniform-dispatcher**
- <https://github.com/FrankBATMAN/MMPR-with-LB>

Rendering Engine

- rendering layer **scalability**: support multiple graphics language - **OpenGL**, **OSG**, **Vulkan**(on progress)
- rendering layer using **OpenGL**
- 3-layers(abstract, rendering, application) framework of rendering engine
- <https://github.com/FrankBATMAN/Rendering-Engine>

Soft Shadows Split-screen Rendering

- **standard shadow mapping** algorithm
- uniform-dispatcher, non-uniform-dispatcher **split-screen** methods
- <https://github.com/FrankBATMAN/Soft-Shadows-Rendering-with-Split-screen>

Screen Space Fluid Rendering

- smoothing with **Curvature Flow** & **Cubemap** reflection & refraction
- <https://github.com/FrankBATMAN/Screen-Space-Fluid-Rendering>

Extra

- **C++**, **OpenGL/GLSL**, **Design Pattern**, **Git**, **Markdown**, **SVN**
- **StackOverflow**: <http://stackoverflow.com/users/6765823/xin-yang>

INTERN

Dianping.com Back-end Developer Joy Group

2017.06 – (expected)2017.08

- **Booking**: Internet cafes, Foot massage, Chambers, Sports&Fitness
- **Operational marketing activities**: Merchant Ranking List, Promotional coupons,Weekends Events
- related tech: **Pigeon**, **CAT**, **Lion**, **Zebra**, **Crane**, **Spring**, **Maven**, **Java**, **MyBatis**

AWARDS&MISCELLANEOUS

- Sichuan University **3rd** & **2nd** class scholarship
- Sichuan University **2nd** class individual scholarship
- **Vice Chairman** of **EMC** Club of SCU
- Executive Committee of **CCF**(China Computer Federation) SCU