

ZHUO Xu 卓 旭

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My Website: zxuuu.tech



Education

Southeast University Computer Science and Technology, Second year in M.Eng.	2021.09 – Now
- One SCI Publication; One Patent; 1st Class Scholarship (2021); 2nd Class Scholarship (2022)	
Southeast University Computer Science and Technology, B.E.	2017.09 – 2021.06
- Guaranteed Admission to Master; Several Scholarships for Courses with High Score	

Internship

First Imaging Algorithm on Image Processing	2021.06 – 2021.07
- Using Python + OpenCV for prototype experiments, and C++ for optimizations.	
Tencent (Shenzhen) PCG BG, Frontend Developer	2020.06 – 2020.08
- Using Vue + TypeScript + Vuex and PHP, Node.js (koa-like framework), and MongoDB. Also working on Unit Tests, DevOps and In-house Tools development.	

Selected Projects

Knowledge Contest System for SEU History	2018
- Using jQuery + Bootstrap for the frontend and PHP + MySQL for the backend	
Course Project on Computer Graphics	2019
- Using TypeScript + WebGL to render models and implement lighting, transforms, FPV, textures, etc.	
VCampus Simulated School (Course Project)	2019
- C/S development on J2SE. Implemented a simple MQ on socket, a simple Request-Response protocol, a simple RPC using Java Reflection, and DAO to MySQL using MyBatis.	
MiniC Compiler	2021
- Implemented a compiler that compiles a subset of C language to MIPS assembly with Lexer using DFA, Parser using LALR, IR generator and so on.	
Volume Rendering via Ray Casting on OpenGL	2021
- Implemented Volume Rendering with Parallel Beam, Normal Vector Calculation, Lighting, Multi-thread, Intersection Testing and so on.	
A Self-hosted Comment System (Currently Working on)	2023
- Based on Vue 3 on Vite + Go (Gin) + MongoDB. Deploy with Docker.	

Personal Skills and Other Aspects

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- **Technology Direction** I'm currently seeking an internship job on software development. I prefer frontend / backend development. I mainly use JavaScript, TypeScript, Vue.js (2/3), CSS (Less), Python; I'm learning Golang; I can also write C++, PHP and Java if necessary. In my humble opinion, I think we should not be limited to several languages. Instead, we should select a proper tech stack according to the problem itself. As for tools, I can use Git for cooperations, and know the basic concepts of Docker, WebGL, CMake, Linux, DevOps, WebSocket, Unit Tests and Deep Learning.
 - **Language** English (CET-6 589'). Fluent English reading and writing.
 - **Devoted to Open Source** Besides my own projects, I also join the open-source community. My PR (#43654) is merged to microsoft/TypeScript to fix a bug; one Issue (#140761) is submitted to microsoft/vscode to report a bug.

To know more about me, please access zxuuu.tech .