

Remi Guan

casimir.crystal.blue@outlook.com | github.com/remi-crystal

EDUCATION

University of London

Bachelor of Computer Science

April 2022 – Present

Remotely

EXPERIENCE

Full Stack Web developer

Qiubi Tech, Ltd

May 2021 – Present

Shanghai, China

- Developed web pages and backend in React and NestJs
- Managed the servers

STUDY

Data Structures And Algorithms | *Java*

August 2021 – Present

- Learning about basic algorithm and data structure, such as array, list, tree

Coursera

February 2022 – March 2022

- **From Nand To Tetris**; Learned how to build a modern computer from logic gates

CS 61A | *Python*

March 2021 – February 2022

- Learned about the essence of functional programming, such as abstraction, higher order function, recursion
- Also learned about programming language, wrote my own scheme interpreter

Human resource machine | *Game*

December 2021 – January 2022

- Learned about register machine, and programming in assembly
- Additionally learned about optimization assembly with classical trick such as block reordering, common subexpression elimination, peephole optimization and loop unrolling

Turing Complete | *Game*

March 2022 - Present

- Learning about building a computer and writing assembly code

PROJECTS

Meta Signature Util | *TypeScript*

November 2021 – December 2021

- NPM library to sign articles with curve25519 algorithm

Meta UCenter | *Nest.js*

July 2021 – Present

- Backend for users signup and login based on TypeScript and NestJs

Meta CMS | *React*

August 2021 – November 2021

- Frontend for users to create a blog and manage their account. Based on Ant Design Pro

TECHNICAL SKILLS

Basic algorithm, Functional programming

JavaScript, TypeScript, Python3, LaTeX

HTML, CSS, React, Vue, Next.js, Nest.js

MISC

- 19k Reputation at Stack Overflow with answers to Python questions (Remi Crystal)