Larry YU

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EDUCATION

Bachelor of Information Technology | University of South Australia　　　　　　　　**Jul 2024 – Present**
- Courses: Object-Oriented Programming, Web & Database Computing, Problem solving, Network Fundamental, Information Technology Fundamental, Design Thinking, Systems Requirements and User Experience.
- GPA: 7.00 / 7.00

Bachelor of Statistics | Zhejiang University of Finance & Economics　　　　　　　　**Sep 2023 – Jun 2024**
- Courses: Algebra and Calculus (Mathematics), Mathematical analysis, Micro-economics, **Statistics, Data Analysis with Python**
- GPA: **4.02 / 5.00**

WORK EXPERIENCE

PROJECTS

Operating System Kernel based on RISC-V | ASM, C, Makefile, Python, Git, Docker, Linux | 　　**Nov 2024 – Present**
- 1Using bitmap to implement kernel system call in XV-6.
- 1Process, Pipe, File System, System call, Memory Pool, Lock & Dead Lock, Page Tables, Stack Frame, Lazy allocation
- 1Using **gdb** to debug
- 1Concurrency Programming
- 1Multi-threads, Barrier
- Developed and implemented **network programming** features for the E1000 NIC, including transmit and receive ring buffers, enabling efficient data packet management and seamless OS interaction.
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Machine Learning | Python, Git | 　　**Dec 2024 – Present**
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Personal Blog | React, Node.js, Git, HTML, JavaScript, CSS | 　　**Dec 2024 – Present**
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SKILLS

- **Proficient in Data Structures and Algorithms**, with expertise in Arrays, Linked Lists, Queues, Stacks, Trees, Graphs, Hash Tables, Backtracking, Greedy Algorithms, and Dynamic Programming.
- **Proficient: C++, Python**　　　　　　　　　　　　　**Experienced: ASM, C, HTML, CSS, JavaScript**