Yuheng Ye

**Interest**

* Music: Clarinetist (10th level in China), Music Composition
* Operating Systems: currently learning **xv6**

**Skills**

**Programming Languages:** C#, C/C++, Python

**Languages:** English (Proficient), Chinese (Native)

**Frameworks:** MonoGame, Godot, Unity

**Experience**

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| --- | --- | --- |
| 2024- | Contributor to Open-Source Game ‘Quaver’ | <https://github.com/Quaver> |
| * Improve algorithms to enhance user experience; Fixed server issues during tournament. * Coordination with other developers and graphics designers to introduce new features * Developed in-depth understanding of MonoGame, C#, and Git * Top 4 Contributor in 6 months | | |
| 2023 | **Intern of Haiyue Automation Co., Limited** |  |
| * Designed a traffic light controller and an answering machine with PLC and Ladder Diagrams * Leading the internship and discussed frequently with the other interns | | |
| 2023 | **Experimentation of Genetic Algorithm in ANN** | <https://github.com/WilliamQiufeng/MadPodRacingNative> |
| * Trained an ANN agent with Genetic Algorithm to compete in an online programming game * Previous attempt includes PID control, approaching the Gold Rank | | |
| 2023 | **Editor Software for Game Level** |  |
| * Formulated the file format for the level structure and the UI of the editor * Made extensive use of Unity/C# | | |
| 2022 | **Interpreter and LSP for CAIE Pseudocode** | [**https://github.com/WilliamQiufeng/corale.git**](https://github.com/WilliamQiufeng/corale.git) |
| * Devised the interpreter and language server protocol adhering to the language standard * Installed in the computers of all computer science students in my high school | | |

**Education**

**2024-2028** Imperial College London **MEng Computing** (First Year)

* Computer Systems, Databases, Calculus, Computer Architecture, Linear Algebra, Software Engineering Design, Operating Systems, Compilers, Symbolic Reasoning

**2020-2024** ULink College Shanghai (High School)

* ­­­A-Level Mathematics (**A\***), A-Level Further Mathematics (**A\***), A-Level Computer Science (**A\***), A-Level Physics (**A\***)

williamqiufeng@outlook.com

<https://github.com/WilliamQiufeng>

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