Qian Chengliang

Email : mickjagger19@icloud.com
Mobile : +86 15088363086

Detail-oriented, organized and meticulous employee who stays consistently abreast of cutting-edge developments and technology advancements. Works the most effective in the team, to meet tight deadlines, and steps up to solve high-maintenance bugs. Values functionality, stability, and performance of the software, and offers creative & practical ideas for user-experience or technology problems.

EDUCATION

- **Zhejiang University (ZJU)** — Hangzhou
  Bachelor in Computer Science; GPA: 3.85/4.00, 3.98/4.00 on Major Courses — *Oct. 2016 – July. 2020*

AWARDS & ACHIEVEMENTS

- **Honorable Mention, In The Mathematical Contest in Modeling:** 2017

- **Zhejiang University Second-class and Third-class Student Scholarship:** Awarded to undergraduate students who have ranked in the top 10%/15% in previous semester

- **Outstanding Engineer Of The Year Award:** Awarded by the head of the Hangzhou research Institute, to the outstanding engineer(among 1000+ engineers) for the designing and implementing a high-performance text-editor

WORK EXPERIENCE

- **Huawei Tech** — Hangzhou
  Software Engineer — *July 2020 - Present*
  - **Java-to-Scala Transpiler**: A Java-to-Scala transpiler written in Scala, aiming to translate legacy java code into usable Scala code. Based on JavaParser & Scalameta, it out-peforms most of the j2s transpiler at the time
  - **Slang**: A System-Verilog parser written in C++, which parses System-Verilog source code into a valid in-memory Syntax Tree, while generating proper diagnostics. It also exploits tricks to increase performance, including CRTP
  - **VNext**: A cross-platform, blazing fast and lightweight IDE written in Rust. It draws the user interface by a Rust GUI framework - Druid, which can be compiled into WASM. While providing abundant features supported by popular IDEs, including syntax-highlighting, code-folding, plugin support, it also runs at high responsiveness and low memory-consumption.
  - **Intelligent Programming**: Utilizing the recent advance of AI to provide a better programming experience, with fine-tuned models and proper prompt. Some interesting new features can be achieved, including auto code-generation, code summarize, code translation, etc

PROGRAMMING SKILLS

- **Languages**: Rust, C++, Java, Scala   **Technologies**: Druid, Flutter, JVM

RELEVANT COURSEWORK

- **Major coursework:** Calculus I-II, Computer Network, Computer Network, Matrix Theory, Computational Theory, Digital Integrated Circuit Design, Computer Architecture, Computer Organization and Design, Computational Theory, Computer Network, Operating System, Compiler Theory, Software Engineering, Probability Theory, Database System,Data Structures and Algorithms, Advanced Data Structures and Algorithms,Discrete Computational Structures

  Minor coursework: Communication skills towards IT, Artificial Intelligence,Software Engineering, B/S system Software Design, Java Application,E-commerce System Architecture