

## ≡ Xianting Lu

---



## Xianting Lu

Programmer/Blogger



知乎



脉脉

Evan\_L00@qq.com

[\[CV\]](#)

## About Me

---

Problems solver, focusing on full text search, high performance/parallel server development with C++/Rust.

Programming Languages: C++/Rust/Java/Rust, Python/Typescript/Javascript/, etc.

Tools: kubernetes/Container/gdb/CoreAnalyzer/Bash/...

## Experiences

---

- [2021 July – Now] MicroStrategy China Technology Center, Senior Engineer
  - Lead the Time zone aware data analysis object models.
  - Co-authorized the OCR (One comment running integration test) which is adopted by almost all the engineers in their daily development.
  - Implement and patent the Systems and Methods for Server Crash Prevention [3rd Author, in-process].
- [2019 Feb – 2021 July] MicroStrategy Head Quarter, Washington DC, Engineer
  - Core engineer of the next generation global search with Elastic Search, design and implement the functionalities: query parser, search autocomplete, i18n support, user mention, etc.
  - Containerized legacy integration tests with K8S, Build the server CAT (Containerized ABA Test Manager) with NodeJS.
  - Lead and implement the memory governing for the Intelligence server for high stable server (Patented, 1st author). Refine the high parallel Job infrastructure for job memory governing and throttling protection.
- [2017 May – 2019 Feb] MicroStrategy China Technology Center, Engineer
  - MicroStrategy Metadata management and several key components maintenances like Drilling Data, Security.
  - MicroStrategy Search Engine (Lucene as core) enhancements and maintenances.
  - Server crashes analysis like multithread issues, memory corruption(double free, use after free, etc.).

Note: Contributed 150k+ LOC and worked on more than 500 defects.

## Education

---

## ≡ Xianting Lu

---

Sept 2010 – 2014, Communication Engineering

- **Nankai University**  
2012–2014 Minor, School of Economics

## Projects

---

→ [Full list](#)

### [Rabot](#)

A intelligence robot handle all the duplicates, tedious works for me, like record time sheet, triggering integration test, etc.

### [Core Analyzer](#) Core maintainer

A proved powerful tool to debug memory issues. By parsing the memory image of a process's core dump file or its live address space, core analyzer is able to scan the target's heap data for memory corruption, search the whole address space for data object's references, or analyze memory pattern. It is thorough, labor-free, and insightful.

### [Melt Subtitles](#)

Translating unknown words in video subtitles. With it, you can learn English while watching movies/TV series.

## Patents & Certificates

---

[Systems and methods for job-level memory governing](#) [1st Author]

Systems and Methods for Server Crash Prevention [3rd Author, in-process]

[Certified Kubernetes Application Developer \(CKAD\)](#)

## My Top Tech Blogs

---

- [你还在用GDB调试程序吗?](#)
- [什么是move? 理解C++ Value categories, move, move in Rust](#)
- [两大绝招debug core dump?](#)