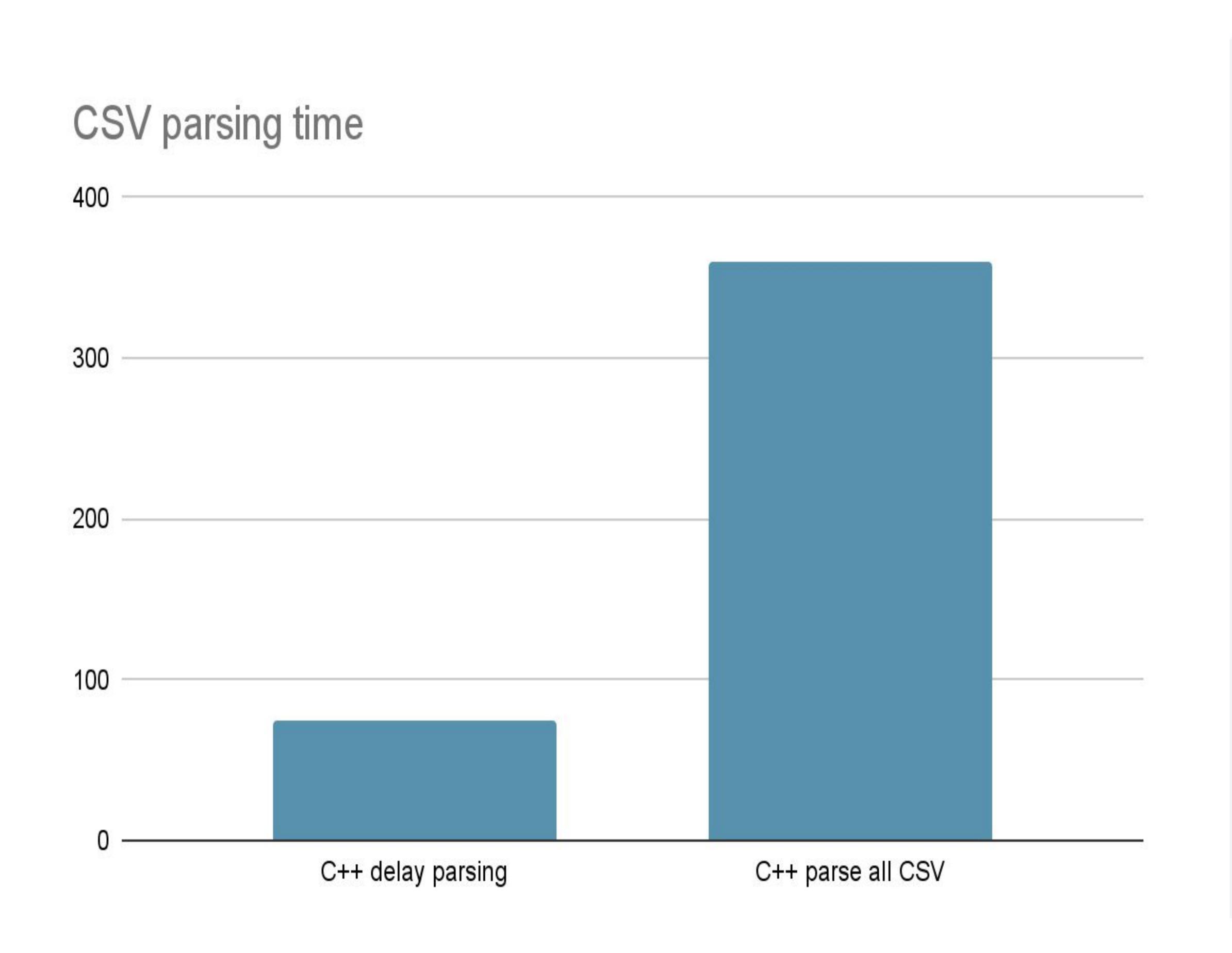
Author: Thinh Bui

Email: thinh.bui@sjsu.edu

Query: SELECT COUNT() FROM csv\_file WHERE col("Registration State") == "CA"

Finding: Delaying the parsing csv process can significantly reduce the query time



```
Unset •
Total: 289 samples
                         123 42.6% csv::CSVRow::get_field
    119 41.2% 41.2%
      50 17.3% 58.5%
                           57 19.7%
csv::internals::CSVFieldList::emplace_back
                          32 11.1% csv::internals::data_type
     32 11.1% 69.6%
                             4.8% 0x000000019d0bf344
         4.8% 74.4%
         3.8% 78.2%
                             3.8%
std::__cxx11::basic_string::basic_string@b4da0
         2.8% 81.0%
                           8 2.8% 0x000000019d0bf35c
                              2.4% 000000019cea4654
         2.4% 83.4%
      7 2.4% 85.8% 7 2.4%
std::__cxx11::basic_string::basic_string@b2220
      4 1.4% 87.2%
                           4 1.4% __GLOBAL__sub_I_csv_row.cpp
```

CSV parsing time

CPU Profiling of CSV parsing