Hitoshi Togasaki

- Live: Tokyo, Japan
- Birth: 1990/11/11
- Email: togasakitogatoga@gmail.com
- GitHub: https://github.com/togatoga

EDUCATION

- 2010.4 – 2014.3: B.E Waseda University
  - Mathematics
- 2014.4 – 2016.9: M.S. University of Tokyo
  - Information Science and Technology
  - Research
    - Acceleration and parallelization of SAT Solver

Skills

Language

- Japanese
  - Native level
- English
  - Conversational Level
  - TOEIC score: 835

Programing Languages

- C++
  - Usage:
    - Research(SAT Solver)
    - Competitive Programming
    - Implement Algorithm
- Python

- Usage:
    - Aggregation data
    - Visualize data(plot graph)
    - Cli tools
    - Scripts for small works
- Golang
    - Usage:
        - Web Development
        - Cli tools
- PHP
    - Usage:
        - Web Development

Knowledge about SAT Solver

My research was the acceleration and parallelization of SAT Solver. I have good knowledge about SAT Solver algorithm and implementaion.
I parallelized minisat(https://github.com/niklasso/minisat) by Message Passing Interface and also reimplemented minisat for the competitive programming.
I listed my SAT Solver codes in Projects, you can see it.

Competitive Programming

I love studying algorithm and competitive programming,so I regularly participate in contests, TopCoder, AtCoder, Codeforces.
My handle names are **togatogah**, **togatoga**. I'm a yellow coder at TopCoder,have intermediate knowlege about algorithms(math,graph,sort,string,dynamic programming).
I also have interests about the Game AI, I achieved good results in some Game AI contests(CodeVS5.0,Hypersonic).

Competitive Programming Rating

- TopCoder:

- Max Rating: 1508
  - Yellow coder
  - https://www.topcoder.com/members/togatogah
- AtCoder:
  - Max Rating: 1707
  - Blue coder
  - https://atcoder.jp/user/togatoga
- Codeforces:
  - Max Rating: 1761
  - Blue coder
  - http://codeforces.com/profile/togatoga

Work History

Rakuten Company (Application Engineer, Tokyo/Japan)

Oct. 2016 ~

Development and maintain many small web services.

Indeed (Summer Intership, Austin/Texas)

Sep. 2015 - Sep. 2015

Inspect Texas university and some companies(IBM,Indeed)

Projects

- para_minisat:
  - Parallelize minisat by Message Passing Interface
  - Can work between machines.
  - https://bitbucket.org/togatoga/para_minisat/overview
- togasat:
  - Reimplement minisat for the competitive programming
  - Easy to compile and use.

- https://github.com/togatoga/togasat
- competitive-lib
    - Algorithm Library
    - https://github.com/togatoga/competitive-lib
- goforces:
    - API clinet library for Codeforces
    - https://github.com/togatoga/goforces
- 2048AI
    - Implement Monte-Carlo Tree Search for 2048
    - https://github.com/togatoga/2048AI
- dotfiles:
    - My setting files for ubuntu and macOS
    - https://github.com/togatoga/dotfiles

Awards

1. CODE VS 5.0 2016: **Advance to the final round(Elimination round 2th(2/238))**
    - Only top 8th Player are invited to the final round
    - Beam search algorithm and heuristic
    - https://github.com/togatoga/codevs5.0
2. CodingGame Hypersonic 2016: **Rank 47/2715**
    - Beam search algorithm and heuristice and some tricks for the acceleration
    - https://github.com/togatoga/Hypersonic