Yusuke Izawa

2 Chome-12-1 Ookayama
Meguro City, Tokyo 152-8550, Japan

Phone: +8190-4027-6104
Email: izawa@prg.is.titech.ac.jp
URL: https://3ttyon.github.io

Current position

PhD Candidate, Department of Mathematical and Computing Science, Tokyo Institute of Technology

Areas of specialisation

Computer Science; Programming Language

Work Experience

2018-2019	Recruit Marketing Partners, Inc., Software Engineer, Self-employment.
2018	Cookpad, Inc., Software Engineer, Internship. (Won **2nd Place**)
2016-2017	FOLIO, Inc., Software Engineer, Internship.
2016-2017	KADOKAWA, Inc., Software Engineer, Internship.
2015-2016	Summaly, Inc., Software Engineer, Internship.

Education

2018	BSc in Mathematical and Computing Science, Tokyo Institute of Technology
2020	MSc in Mathematical and Computing Science, Tokyo Institute of Technology

Grants, honours & awards

2019	**2nd Place**, ACM Student Research Competition, Graduate Category [⋆]

Publications & talks

2020	Yusuke Izawa, and Hidehiko Masuhara. Toward Hybrid Compilation in a Practical Meta-tracing JIT Compiler. Programming Language Mentoring Workshop, 41st ACM SIGPLAN Conference on Programming Language Design and Implementation (PLDI 2020). June 2020. Oral Presentation.
2020	Yusuke Izawa, and Hidehiko Masuhara. Making different JIT compilations dancing to the same tune, acting in the meta-level. The 22nd JSSST Workshop on Programming and Programming Languages, March 2020. Poster Presentation.

2020	Yusuke Izawa, Hidehiko Masuhara, Tomoyuki Aotani, and Youyou Cong. A stack hybridization for meta-hybrid just-in-time compilation. In Kei Ito, editor, Proceedings of the 36th JSSST Annual Conference, pages No. 2–L. Japan Society for Software Science and Technology (JSSST), August 2019.
2019	Yusuke Izawa, Hidehiko Masuhara, and Tomoyuki Aotani. 2019. Extending a meta-tracing compiler to mix method and tracing compilation. In Proceedings of the Conference Companion of the 3rd International Conference on Art, Science, and Engineering of Programming (Programming '19). ACM, New York, NY, USA, Article 5, 1–3. DOI: https://doi.org/10.1145/3328433.3328439
2019	Yusuke Izawa. 2019. BacCaml: the meta-hybrid just-in-time compiler. In Proceedings of the Conference Companion of the 3rd International Conference on Art, Science, and Engineering of Programming (Programming '19). ACM, New York, NY, USA, Article 32, 1–3. DOI:https://doi.org/10.1145/3328433.3328466 (**Awarded** [⋆])
2018	Yusuke Izawa, Hidehiko Masuhara, and Tomoyuki Aotani, Proposal of Meta-hybrid JIT Compiler", The 20nd JSSST Workshop on Programming and Programming Languages, March 2018. Poster Presentation.
2018	Yusuke Izawa, Hidehiko Masuhara, and Tomoyuki Aotani, Meta-hybrid JIT Compilation Approach to the Path Divergence Problem, Kumiki 6.0, November 2018. Oral Presentation.

Teaching

2020 (3Q)	Programming II, Tokyo Institute of Technology, Teaching Assistant
2019 (1Q)	Programming II, Tokyo Institute of Technology, Teaching Assistant
2019 (1Q)	Introduction to Computer Science, Tokyo Institute of Technology, Teaching Assistant
2018 (3Q)	Programming I, Tokyo Institute of Technology, Teaching Assistant
2018 (1Q)	Information Literacy 1, Tokyo Institute of Technology, Teaching Assistant

Academic Services

2020	Candidate of Programming Language Mentoring Workshop, PLDI 2020, June 2020.
2019	Member of Student Volunterr, Programming 2019, April 2019.