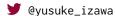
# Yusuke Izawa, Ph.D. student

yizawa@acm.org



https://3tty@n.github.io



### **Education**

2020-now

Ph.D., Tokyo Institute of Technology.

2018-2020

M.Sc. Mathematical and Computing, Tokyo Institute of Technology.

Thesis title: Applying ant algorithms in automatic design of novel magic charms.

2014-2018

M.Sc. Mathematical and Computing, Tokyo Institute of Technology.

Thesis title: Applying ant algorithms in automatic design of novel magic charms.

## Miscellaneous Experience

## Grants, Honours and Awards

Research Fellowship for Young Scientists (JSPS DC2). Fellowship from the Japan Society for the Promotion of Science (JSPS), covering living expenses. Research expenses covered by KAKENHI.

2020

- JST Strategic Basic Research Programs ACT-X. Research expensec covered by Japan Science and Technology Agency (JST).
- Tokyo Tech Tsubame Scholarship for Doctoral Students. Covering living expenses.

2019

- 2nd Place, Graduate Category, ACM Student Research Competition, Association for COmputing Machinery. [\*]
- **Travel Grants by Information Science Incentive Fund**. By dept. of mathematical and computing science, Tokyo Tech.

2014

**Scholarship by the Showa Scholarship Foundation**. Covering living expensed by Showa Scholarship Foundation.

## **Publications**

#### Peer-reviewed

- Izawa, Y., & Masuhara, H. (2020a). Amalgamating different jit compilations in a meta-tracing jit compiler framework. In *Proceedings of the 16th acm sigplan international symposium on dynamic languages* (pp. 1–15). Odoi:10.1145/3426422.3426977
- Izawa, Y. (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.*6 doi:10.1145/3328433.3328466
- Izawa, Y., Masuhara, H., & Aotani, T. (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.* 60 doi:10.1145/3328433.3328439

#### Non Peer-reviewed

Izawa, Y., Masuhara, H., Aotani, T., & Cong, Y. (2019). A stack hybridization for meta-hybrid just-in-time compilation. nonrefereed, Shibaura Institute of Technology, Tokyo, Japan.

## **Talks**

#### Invited

Izawa, Y., & Masuhara, H. (2021, March 9). Amalgamating different JIT compilations in a meta-tracing JIT compiler framework. Reproduction of the DLS'20 talk at JSSST Programming and Programming Languages Workshop. Retrieved from https://jssst-ppl.org/workshop/2021/

### **Oral and Poster Sessions**

- Izawa, Y., Masuhara, H., & Cong, Y. (2021). An interpreter design for supporting different JIT compilations in rpython framework. The 23nd JSSST Workshop on Programming and Programming Languages. Poster Presentation. Retrieved from % https://easychair.org/smart-program/PPL2021/
- Takahashi, S., Izawa, Y., Masuhara, H., & Cong, Y. (2021). 汎言語的ライブプログラミング環境のためのデータ構造解析手法. The 23nd JSSST Workshop on Programming and Programming Languages. Poster Presentation. Retrieved from ❷ https://easychair.org/smart-program/PPL2021/
- Izawa, Y., & Masuhara, H. (2020b). Making different jit compilations dancing to the same tune, acting in the meta-level. The 22nd JSSST Workshop on Programming and Programming Languages. Poster Presentation. Retrieved from 6 https://easychair.org/smart-program/PPL2020/
- Masuhara, H., Takahashi, S., Izawa, Y., & Cong, Y. (2020). Toward a multi-language and multi-environment framework for live programming. Talk at the 2020 Workshop on Live Programming (colocated with SPLASH 2020). **Peer-reviewed**. Retrieved from <a href="https://2020.splashcon.org/home/live-2020">https://2020.splashcon.org/home/live-2020</a>
- Takahashi, S., Izawa, Y., Masuhara, H., & Cong, Y. (2020). ライブプログラミング環境は多言語化/多開発環境化の夢を見るか. The 37th JSSST Anual Conference. Japan Society for Software Science and Technology. Poster Presentation. Retrieved from ❷https://jssst2020.wordpress.com/program/
- Izawa, Y., Masuhara, H., & Aotani, T. (2018). メタ混合 JIT コンパイラの提案. The 20nd JSSST Workshop on Programming and Programming Languages. Poster Presentation. Retrieved from 
  ♣ https://jssst-ppl.org/workshop/2018/program.html

## **Employment History**

2020.11-2023.3		Tokyo	Insti	itute of	Technol	ogy, I	Dept. o	f Math.	and	Comp., I	Research Assis	stant.
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2018.6 – 2019.2 Recruit Marketing Partners, Inc., Software Engineer, Self-employment.

2018.8 Cookpad, Inc., Software Engineer, Internship. (Won 2nd Place)

2017.4 – 2018.3 FOLIO, Inc., Software Engineer, Internship.

2016.8 – 2017.3 DOWANGO, Inc., Software Engineer, Internship.

2016.1 – 2016.6 Summaly, Inc., Software Engineer, Internship

## **Skills**

Languages English (fluent), Japanese (native)

Coding Coding OCaml (S), Scala (S), Python (S), C (A), Java (A), Ruby (A), Shell (A), R (B), SQL (C), Language (S), Python (S), C (A), Java (A), Ruby (A), Shell (A), R (B), SQL (C), Language (S), Python (S), C (A), Java (A), Ruby (A), Shell (A), R (B), SQL (C), Language (S), Python (S), C (A), Java (A), Ruby (A), Shell (A), R (B), SQL (C), Language (S), Python (S), C (A), Java (A), Ruby (A), Shell (A), R (B), SQL (C), Language (S), Python (S), C (A), Java (A), Ruby (A), Shell (A), R (B), SQL (C), Language (S), Python (S), C (A), Language (S), Python (S), Pyt

Misc. Academic research, teaching, training, consultation, LaTeX typesetting and publishing.