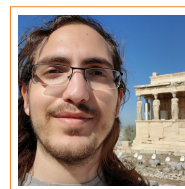


Kaan Genç

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🌐 SeriousBug
📅 January 4, 1995



Education

- Ph.D. **The Ohio State University**, *Computer Science & Engineering*, August 2017 – now.
- B.Sc. **İzmir University of Economics**, *Software Engineering*, September 2013 – June 2017.

Work

- Research **In Michael D. Bond's research group**, January 2018 – now.
- Teaching **Advanced C Programming**, *the Ohio State University*, Autumn 2017, Spring 2018.
- Internship **ZetaOps Inc.**, June – September 2016.

Activity

Artifact Evaluation Committee member, OOPSLA 2020, September 2020.

Publications

Kaan Genç, Jake Roemer, Yufan Xu, and Michael D. Bond. Dependence-Aware, Unbounded Sound Predictive Race Detection. 3(OOPSLA), 2019.

Kaan Genç, Michael D. Bond, and Guoqing Harry Xu. Crafty: Efficient, HTM-Compatible Persistent Transactions. pages 59–74, 2020.

Jake Roemer, Kaan Genç, and Michael D. Bond. High-Coverage, Unbounded Sound Predictive Race Detection. pages 374–389, 2018.

Jake Roemer, Kaan Genç, and Michael D. Bond. SmartTrack: Efficient Predictive Race Detection. pages 747–762, 2020.

Open Source Contributions

- [ZEngine](#) BPMN workflow based framework with Tornado, Rabbit AMQP, advanced permissions, extensible scaffolding features and more. I designed and implemented the internationalization module, and refactored the permission system.
- [Ulakbüs](#) An integrated university system. I added course and exam timetabling support by using the [CPSolver](#) constraint solver library, and added internationalization support.
- [Pyoko](#) ORM for Riak. I made several bugfixes, and added the functionality to split data dumps per model.
- [Firejail](#) A sandbox program that reduces the risk of security breaches by restricting the running environment of untrusted applications using a rule list. I extended the rule list functionality to allow an arbitrary number of rules to be skipped in the configuration.
- [gist](#) A command line interface for working with github gists. I made changes for compliance with [XDG Base Directory Specification](#), and added completions for zsh shell.

Personal Projects

- [turing interpreter](#) A simple Turing Machine simulator, and an esolang.
- [The Land Itself](#) A small card-based video game.