

TOSHIKI HIRAO

PhD Student

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EXPERIENCE

Visiting PhD Student

McGill University, Montreal

📅 November 2017 - Ongoing 📍 Montreal, Canada

- Working with Dr. Shane McIntosh on Mining Software Repositories for improving Code Review Process.

Doctoral Course Fellowship (DC1)

Nara Institute of Science and Technology, Nara

📅 April 2017 - Ongoing 📍 Nara, Japan

- Being supported by Japan Society for the Promotion of Science (JSPS).
- Working on Empirical Software Engineering for developing a Review Cost Estimation Model.

Collaborative Researcher

Fujitsu Research Institute

📅 April 2017 - March 2018 📍 Osaka, Japan

- Worked with Fujitsu Research Institute on Mining Software Repositories for developing an Actionable Continuous Integration Model.

Software Engineering Internship

Rakuten, Inc.

📅 September 2015 - November 2015 📍 Osaka, Japan

- Optimized search engine algorithms and tools of online shopping site "Rakuten Global Market" in the agile development team.

SELECTED PUBLICATIONS

"An Empirical Study of Design Discussions in Code Review," Farida El Zanaty, [Toshiki Hirao](#), Shane McIntosh, Akinori Ihara, Kenichi Matsumoto, International Symposium on Empirical Software Engineering and Measurement, pp. To appear, 2018.

"How Is IF Statement Fixed Through Code Review? - a Case Study of Qt Project -," Yuki Ueda, Akinori Ihara, [Toshiki Hirao](#), Takashi Ishio, and Kenichi Matsumoto, In Proc. of 8th IEEE International Workshop on Program Debugging (ISSREW2017), pp.207-213, 2017.

"The Impact of a Low Level of Agreement among Reviewers in a Code Review Process," [Toshiki Hirao](#), Akinori Ihara, Yuki Ueda, Passakorn Phannachitta, and Kenichi Matsumoto, In The 12th International Conference on Open Source Systems (OSS'16), pp.97-110, 2016.

"Pilot Study of Collective Decision-Making in the Code Review Process," [Toshiki Hirao](#), Akinori Ihara, and Kenichi Matsumoto, In Proc. of the Center for Advanced Studies on Collaborative Research (CASCON'15), pp.248-251, 2015.

SKILLS

[Programming Languages]

Python R MySQL Java C
LaTeX Shell Make MongoDB

[Environments & Tools]

Linux Mac OS X Windows
Gerrit Code Review Git Jupyter

INTEREST

- Big Data Mining
- Machine Learning
- Natural Language Processing

EDUCATION

PhD in Software Engineering

Nara Institute of Science and Technology, Nara

📅 April 2017- Ongoing

Coursework:

- Software Analysis
- Software Evolution

MEng in Software Engineering

Nara Institute of Science and Technology, Nara

📅 April 2015- March 2017

Coursework:

- Software Design
- Information Theory
- Virtual System Infrastructure

BS in Natural Language Processing

Osaka Educational University, Osaka

📅 April 2011 - March 2015

- Operating Systems
- Algorithms

MISC

- 1st Place: Coding Game Competition of Société Générale Bank 2018, Canada.
- General Co-chair: International Workshop on Empirical Software Engineering in Practice 2018, Japan.