

RAULA GAIKOVINA KULA, DR.

Assistant Professor - Software Engineering

@ raula-k@is.naist.jp ✉ Ikoma, Nara, Japan 📍 Nara, JAPAN 🌐 <https://raux.github.io>
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EXPERIENCE

🌐 <https://researchmap.jp/raula-k/?lang=english>

Assistant Professor

Nara Institute of Science and Technology

📅 April 2018 – Ongoing 📍 Nara, JAPAN

Specially-Appointed Assistant Professor

Nara Institute of Science and Technology

📅 April 2017 – March 2018 📍 Nara, JAPAN

Specially-Appointed Assistant Professor

Osaka University

📅 October 2013 – March 2017 📍 Osaka, JAPAN

Systems Analyst and Consultant

Conservation International

📅 Jun 2005 – Oct 2007 📍 Port Moresby, PNG & DC, USA

NATIONAL GRANTS (JSPS)

🌐 <https://nrid.nii.ac.jp/en/nrid/1000080749094/>

Social Developer Digital Footprint for Skills Proficiency

(PI) Grant-in-Aid for Early Career Scientist

📅 2020 – 2023 💰 ¥4,290,000

Fundamental and Innovative Technologies for Next-Generation Software Ecosystems

(Co-I) Grant-in-Aid for Scientific Research (S)

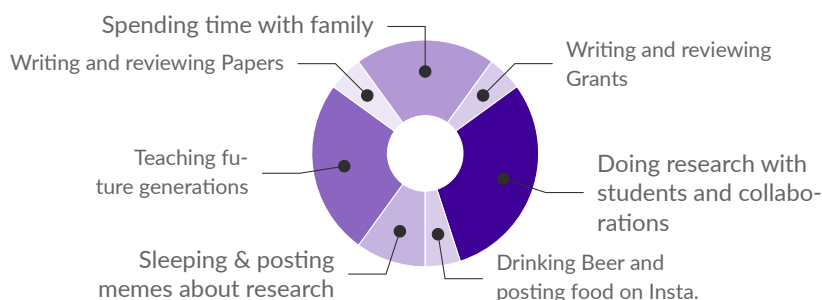
📅 2020 – 2025 💰 ¥189,020,000

Evaluation of Risk and Soundness of Open Source Software

(Co-I) Grant-in-Aid for Scientific Research (A)

📅 2020 – 2023 💰 ¥43,030,000

A DAY OF MY LIFE



RESEARCH INTERESTS

Dependencies Code Review
Software Ecosystem Social Developer
Programming Competency/Skill

SELECTED SERVICE

Full List at 🌐 <https://raux.github.io/post/work2/>

Program Committee ICSE21,22 ASE20,21
ICSME20 SANER21 MSR21 CHASE21

Reviewer IEEE TSE Springer EMSE
ELSEVIER JSS ELSEVIER IST

Organising Committee MSR'21 - Social Media
ICSME'20 - Diversity Chair
IWESEP'19 - Prog. Chair ICPC'18 - Tool Chair

Associate Editor IEICE Sci. and Comp.

Steering Committee SoHeal Workshop

TEACHING

Software Engineering Project Based Learning
Internships Programming Practice

EDUCATION

Ph.D. in Info. Sciences

Nara Institute of Science and Technology, Japan

📅 April 2011 – March 2013

M.Sc. in Info. Sciences

Nara Institute of Science and Technology, Japan

📅 April 2010 – March 2011

B.S. in Info. Tech. with Advanced Studies

Griffith University, Australia

📅 April 2001 – March 2003

SELECTED PUBLICATIONS

Full List at  <https://raux.github.io/post/work3/>

Book Chapter

- Kula, R. G., & Robles, G. (2019). *The life and death of software ecosystems* (B. Fitzgerald, A. Mockus, & M. Zhou, Eds.). doi:10.1007/978-981-13-7099-1_6

Journal Articles


- Chinthanet, B., Kula, R. G., McIntosh, S., Ishio, T., Ihara, A., & Matsumoto, K. (2021). Lags in the release, adoption, and propagation of npm vulnerability fixes. *Empirical Software Engineering*, 26(3). doi:10.1007/s10664-021-09951-x
- Chouchen, M., Ouni, A., Mkaouer, M. W., Kula, R. G., & Inoue, K. (2021). WhoReview: A multi-objective search-based approach for code reviewers recommendation in modern code review. *Applied Soft Computing*, 100, 106908. doi:10.1016/j.asoc.2020.106908
- Subramanian, V. N., Rehman, I., Nagappan, M., & Kula, R. G. (2020). Analyzing first contributions on GitHub: What do newcomers do. *IEEE Software*, 0–0. doi:10.1109/ms.2020.3041241
- Almarimi, N., Ouni, A., Bouktif, S., Mkaouer, M. W., Kula, R. G., & Saied, M. A. (2019). Web service API recommendation for automated mashup creation using multi-objective evolutionary search. *Applied Soft Computing*, 85, 105830. doi:10.1016/j.asoc.2019.105830
- Tantisuwankul, J., Nugroho, Y. S., Kula, R. G., Hata, H., Rung-sawang, A., Leelaprute, P., & Matsumoto, K. (2019). A topological analysis of communication channels for knowledge sharing in contemporary GitHub projects. *Journal of Systems and Software*, 158, 110416. doi:10.1016/j.jss.2019.110416
- Kula, R. G., German, D. M., Ouni, A., Ishio, T., & Inoue, K. (2017). Do developers update their library dependencies? *Empirical Software Engineering*, 23(1), 384–417. doi:10.1007/s10664-017-9521-5

Conference Proceedings

- Chinthanet, B., Ponta, S. E., Plate, H., Sabetta, A., Kula, R. G., Ishio, T., & Matsumoto, K. (2020). Code-based vulnerability detection in node.js applications. In *Proceedings of the 35th IEEE/ACM international conference on automated software engineering*. doi:10.1145/3324884.3421838
- Rehman, I., Wang, D., Kula, R. G., Ishio, T., & Matsumoto, K. (2020). Newcomer candidate: Characterizing contributions of a novice developer to GitHub. In *2020 IEEE international conference on software maintenance and evolution (ICSME)*. doi:10.1109/icsme46990.2020.00110
- Hata, H., Treude, C., Kula, R. G., & Ishio, T. (2019). 9.6 million links in source code comments: Purpose, evolution, and decay. In *2019 IEEE/ACM 41st international conference on software engineering (icse)* (pp. 1211–1221). doi:10.1109/ICSE.2019.00123
- Thongtanunam, P., Tantithamthavorn, C., Kula, R. G., Yoshida, N., Iida, H., & Matsumoto, K.-i. (2015). Who should review my code? a file location-based code-reviewer recommendation approach for modern code review. In *2015 IEEE 22nd international conference on software analysis, evolution, and reengineering (SANER)*. doi:10.1109/saner.2015.7081824

ONLINE PROFILE

Google Scholar

 <https://tinyurl.com/ss4w7aab>

DBLP

 <https://dblp.org/pid/64/7675.html>

LANGUAGES

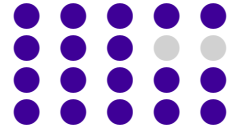
Natural Languages

English

Japanese

Tok Pisin

Aroma PNG



Programming Languages

Java

Python

JavaScript

Latex

Bash

R

Git

Scratch

notion

JupyterNotebooks

SELECT TALKS

Mini-Keynote

Invited Talk for the Mining Software Repositories Conference

 2021

 Online

Adjunct Professor

Universitas Muhammadiyah Surakarta

 2020

 Indonesia

Visiting Professor

Ecole de technologie superieure Montreal

 2020

 Canada

Asia-Pacific Track

Invited Talk for the International Conference on Software Analysis, Evolution, and Reengineering

 2019

 China

Invited Talk

Concordia

 2020

 Canada

Invited Talk

Ecole Polytechnic Montreal

 2020

 Canada

Invited Talk

Queens University

 2020

 Canada

Invited Talk

University of Waterloo

 2020

 Canada