

# Minseok Jeon

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Software Analysis Laboratory

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## Research Interests

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My research interests include program analysis and machine learning.

- **Program Analysis**
- **Machine Learning**

## Education

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2017.03 ~ present

**Korea University**  
MS/PhD Combined course in Computer Science. Korea University

2011.03 ~ 2017.02

**Korea University**  
B.S. in Computer Science. Korea University

## Publications

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Published papers on premier conferences (POPL2022, OOPSLA 2017, 2018, and 2020) and journal (TOPLAS 2019, IST 2021).

1. **Minseok Jeon**, and Hakjoo Oh. *Return of CFA: Call-Site Sensitivity Can Be Superior to Object Sensitivity Even for Object-Oriented Programs*. POPL 2022: 49th ACM SIGPLAN Symposium on Principles of Programming Languages.
2. Donghoon Jeon, **Minseok Jeon**, and Hakjoo Oh. *A Practical Algorithm for Learning Disjunctive Abstraction Heuristics in Static Program Analysis*. Information and Software Technology, 2020
3. **Minseok Jeon**, Myungho Lee, and Hakjoo Oh. *Learning Graph-based Heuristics for Pointer Analysis without Handcrafting Application-Specific Features*. **OOPSLA 2020**: ACM International Conference on Object-Oriented Programming Systems, Languages, and Applications.
4. **Minseok Jeon\***, Sehun Jeong\*, Sungdeok Cha, and Hakjoo Oh(\***co-first author**). *A Machine-Learning Algorithm with Disjunctive Model for Data-Driven Program Analysis*. **TOPLAS**: ACM Transactions on Programming Languages and Systems. Volume 41 Issue 2, June 2019

5. **Minseok Jeon**, Sehun Jeong, and Hakjoo Oh. *Precise and Scalable Points-to Analysis via Data-Driven Context Tunneling*. **OOPSLA 2018**: ACM International Conference on Object-Oriented Programming Systems, Languages, and Applications.
6. Sehun Jeong\*, **Minseok Jeon\***, Sungdeok Cha, and Hakjoo Oh (**\*co-first author**). *Data-Driven Context-Sensitivity for Points-to Analysis*. **OOPSLA 2017**: ACM International Conference on Object-Oriented Programming Systems, Languages, and Applications.

## Talks

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1. Return of CFA: Call-Site Sensitivity Can Be Superior to Object Sensitivity Even for Object-Oriented Programs. Paper presentation at POPL 2022. Philadelphia, USA. Jan 19 2022
2. Learning Graph-based Heuristics for Pointer Analysis without Handcrafting Application-Specific Features. KSC2020.
3. Learning Graph-based Heuristics for Pointer Analysis without Handcrafting Application-Specific Features. Paper presentation at OOPSLA 2020. Online. NOV 20 2020.
4. Precise and Scalable Points-to Analysis via Data-Driven Context Tunneling. Paper presentation at OOPSLA 2018. BOSTON, USA. NOV 8 2018.
5. Data-Driven Context-Sensitivity for Points-to Analysis, KCC 2018. JeJu, Korea.
6. Data-Driven Context-Sensitivity for Points-to Analysis, KCSE 2018. Pyeongchang, Korea.