

Education

- 2018–2024 **Carnegie Mellon University, Pittsburgh, USA.**
Ph.D. in Software Engineering
Advisors: Brad A. Myers, Bogdan Vasilescu, Vincent Hellendoorn
- 2016–2018 **University of Southern California, Los Angeles, USA.**
M.S. in Computer Science
Advisor: Nenad Medvidovic
- 2012–2016 **Yonsei University, Seoul, Korea.**
B.S. in Computer Science

Professional Experience

- 2025– **Assistant Professor, University of California Irvine, Irvine, CA.**
- 2024–2025 **Visiting Researcher, Google, Sunnyvale, CA.**
- 2021 **Software Engineer Intern, Facebook, Menlo Park (remote), CA.**
- 2020 **Research Scientist Intern, Google, Seattle (remote), WA.**
- 2017–2018 **Research Assistant, University of Southern California, Los Angeles, CA.**
- 2017–2018 **Research Assistant, Information Sciences Institute, Marina del Rey, CA.**

Peer-reviewed Conference Papers

- [C13] Elise Paradis, Kate Grey, Quinn Madison, **Daye Nam**, Andrew Macvean, Vahid Meimand, Nan Zhang, Ben Ferrari-Church, and Satish Chandra. (2024) How much does AI impact development speed? An enterprise-based randomized controlled trial.
- [C12] Martin Amoozadeh, **Daye Nam**, Daniel Prol, Ali Alfageeh, James Prather, Michael Hilton, Sruti Srinivasa Ragavan, and Mohammad Amin Alipour. (2024) Student-AI Interaction: A Case Study of CS1 students. *The 24th Koli Calling International Conference on Computing Education Research (Koli Calling)*.
- [C11] **Daye Nam**, Andrew Macvean, Brad Myers, and Bogdan Vasilescu. (2024) Understanding Documentation Use Through Log Analysis: A Case Study of Four Cloud Services. *The CHI conference on Human Factors in Computing Systems (CHI)*, acceptance rate: 26% = 1,060/4,028.
- [C10] **Daye Nam**, Andrew Macvean, Vincent Hellendoorn, Bogdan Vasilescu, and Brad Myers. (2024) In-IDE Generation-based Information Support with a Large Language Model. *The 46th International Conference on Software Engineering (ICSE)*.
- [C9] Martin Amoozadeh, David Daniels, **Daye Nam**, Stella Chen, Michael Hilton, Sruti Srinivasa Ragavan and Mohammad Amin Alipour (2024) Evaluating Trust in Generative AI among students. *Accepted to the Technical Symposium on Computer Science Education (SIGCSE TS)*.
- [C8] **Daye Nam**, Brad Myers, Bogdan Vasilescu, and Vincent Hellendoorn. (2023) Improving API Knowledge Discovery with ML: A Case Study of Comparable API Methods. *The 45th International Conference on Software Engineering (ICSE)*, acceptance rate: 26% = 208/796.
- [C7] **Daye Nam***, Baishakhi Ray*, Seohyun Kim, Xianshan Qu, Satish Chandra (2022) Predictive Synthesis of API-Centric Code. *The 6th ACM SIGPLAN International Symposium on Machine Programming (MAPS@PLDI)*.
- [C6] **Daye Nam**. (2019) API Design Implications of Boilerplate Client Code. *The 34th International Conference on Automated Software Engineering, Student Research Competition (ASE SRC). 2nd Place*

- [C5] **Daye Nam**, Amber Horvath, Andrew Macvean, Brad Myers, and Bogdan Vasilescu. (2019) MARBLE: Mining for Boilerplate Code to Identify API Usability Problems. *The 34th International Conference on Automated Software Engineering (ASE)*, acceptance rate: 21% = 93/445.
- [C4] Amber Horvath, Sachin Grover, Sihan Dong, Emily Zhou, Finn Voichick, Mary Beth Kery, Shwetha Shinju, **Daye Nam**, Mariann Nagy, and Brad Myers. (2019) The Long Tail: Understanding the Discoverability of API Functionality. *2019 Symposium on Visual Languages and Human-Centric Computing (VL/HCC)*.
- [C3] Arman Shahbazian, **Daye Nam**, and Nenad Medvidovic. (2018) Toward Predicting Architectural Significance of Implementation Issues. *The 15th International Conference on Mining Software Repositories (MSR)*.
- [C2] **Daye Nam**, Youn Kyu Lee, and Nenad Medvidovic. (2018) EVA: A Tool for Visualizing Software Architectural Evolution. *The 40th International Conference on Software Engineering: Companion Proceedings (ICSE Demo)*.
- [C1] Youn Kyu Lee, Peera Yooder, Arman Shahbazian, **Daye Nam**, and Nenad Medvidovic. (2017) SEALANT: A Detection and Visualization Tool for Inter-App Security Vulnerabilities in Android. *The 32nd International Conference on Automated Software Engineering (ASE Demo)*. *Best Tool Paper Award*.

Journal Articles

- [J1] **Daye Nam** and Mayank Kejriwal. (2018) How Do Organizations Publish Semantic Markup? Three Case Studies using Public Schema.org Crawls. *IEEE Computer*, vol. 51, no. 6, pp. 42-51.

Lightly-Reviewed Publications

- [L3] **Daye Nam**. (2023) Context-Aware Information Support for Developers. *The ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, Doctoral Symposium (ESEC/FSE DS)*
- [L2] Matin Amoozadeh, David Daniels, Stella Chen, **Daye Nam**, Aayush Kumar, Michael Hilton, Mohammad Amin Alipour, and Sruti Srinivasa Ragavan. (2023) Characterizing Students Trust in Generative Artificial Intelligence. *ACM Conference on International Computing Education Research (ICER LT&P Track)*.
- [L1] Youn Kyu Lee, **Daye Nam**, and Nenad Medvidovic. (2017) Identifying Inter-Component Communication Vulnerabilities in Event-based Systems. *Technical Report*.

Patent

- [P1] Youn Kyu Lee, Nenad Medvidovic, Peera Yooder, Gholamreza Safi, Arman Shahbazian, Yixue Zhao, Jae Bang, and **Daye Nam**. (2020) SEALANT: Security for End-Users of Android via Light-Weight Analysis Techniques. *U.S. Patent*, No. 10,827,349

Teaching

- Fall 2022 **Co-Instructor**, 17-313 *Foundations of Software Engineering*.
Michael Hilton, Rohan Padhye, Chris Timperley, and Daye Nam
- Fall 2021 **Head Teaching Assistant**, 17-313 *Foundations of Software Engineering*.
Michael Hilton and Rohan Padhye

Awards & Honors

- 2023 SIGSOFT CAPS Student Travel Award for FSE 2024, ACM SIGSOFT
- 2023 NSF Travel Award for FSE 2024, NSF
- 2023 NSF Travel Award for ICSE 2023, NSF
- 2020 Nominated for Microsoft Research PhD Fellowship (1 student from CMU-ISR)
- 2020 Nominated for Google PhD Fellowship (1 of 4 students from CMU)
- 2019 Finalist for the Microsoft Research Ada Lovelace Fellowship

2019 2nd Place in ASE Student Research Competition, ACM
 2019 ACM Student Research Competition Travel Award for ASE 2019, ACM
 2018 SIGSOFT CAPS Student Travel Award for ICSE 2018, ACM SIGSOFT
 2018 Best Research Award, University of Southern California (2 recipients in CS Department)
 2017 Academic Excellence Scholarship, Yonsei Alumni Association of Southern California
 2017 Best Tool Paper Award, ASE 2017
 2014 – 2015 Academic Excellence Scholarship, Korea Student Aid Foundation
 2015 Grand Prize, Graduation Exhibition, Computer Science, Yonsei University
 2013 Outstanding Paper Award, WISET
 2013 Academic Excellence Scholarship, Yonsei University

Professional Service

Organizer FSE 2023 (Web chair)
 Conferences FSE Demo (2025), UIST (2022, 2024), ICSE SEIP (2024), ASE Industry (2024), MSR Shadow/Junior
 PC PC (2021, 2023), FSE Artifact (2021)
 Journal TOSEM (2023, 2024), Empirical Software Engineering (2024), Semantic Web Journal (2018)
 Review