Inyeong Jang

Duksung Women's University
Seoul, Korea
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Education

- Duksung Women's University, Seoul, Korea

  B.S. in Computer Science, Engineering and Converged Technology

  Mar. 2023 – Present

  GPA: 4.41/4.5

Research Interests

- Automated Program Repair (APR)
- Software Testing and Verification
- Software Security

Publications

1. **Title**

   Inyeong Jang, Jinyoung Kim.

   International Conference on Software Testing, Verification and Validation (ICST), 2026. (Under Review) [Paper]

   (Title 및 Paper 결과 발표 후 추가 예정)

2. **AutoFiC: An LLM-based Automated Security Patch Generation Pipeline.**

   Inyeong Jang, Jeongmin Oh, Minchae Kim, Eunsol Kim.

   Korea Conference on Software Engineering (KCSE), 2026. (Oral Presentation) [Paper]

3. **SCSC: Supply Chain Security Cross-reference Framework and Platform Proposal.**

   HaKyeong Choi, Yeseo You, **Inyeong Jang**, Hyein Lee.

   Conference on Information Security and Cryptography (CISC). Winter, 2025. (Poster) [Paper]

Research Projects

- **AutoFiC: LLM-based Automated Security Patch Pipeline** [Page] [GitHub]

  Developed an end-to-end pipeline that integrates static analysis (SAST), LLM-based patch generation, automated patch application, and pull request creation for open-source projects.

- **AI-based OpenStreetMap (OSM) Vandalism Detection** [GitHub]

  Developed graph-based and LightGBM models

  for vandalism detection in OpenStreetMap and evaluated their performance.

Awards & Honors

- **Best Undergraduate Paper Award,** Korea Conference on Software Engineering (KCSE), 2026

- **Academic Excellence Scholarship**, Duksung Women's University, Spring 2023 – Fall 2024

Experience & Activities

- **BackDoor Security Club**, Leader (2nd Cohort)

  Led a university security study group and organized projects in software security.

- **WhiteHat School** (3rd Cohort)

  Selected participant in a cybersecurity training and leadership program.

- **Outta AI Bootcamp**, Mentor (2024–2025)

  Mentored students in data analysis and deep learning fundamentals.

- **GOPAX Guardians** (1st Cohort)

  Participated in blockchain-related research and security awareness initiatives.