

Hyunbin Kim

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EDUCATION

- **Ajou University** *Mar '19 - Current*
Department of Software and Computer Engineering GPA : 4.3/4.5 (Major GPA : 4.4/4.5)

EXPERIENCE

- **Theory of Natural Computation Lab. (Prof. Dajung Cho)** *Sep '23 - Current*
Undergraduate Internship Suwon, Korea
 - Working on a string operation called *Abelian duplication* from formal language theoretical viewpoint (Decision problems and Closure properties of *Abelian duplication*)

ACTIVITIES AND PROJECTS

- **shake! - 2022, 2023** *Oct '23 - Current*
Director, Problem setter *Dec '22 - Mar '23*
 - Annual ICPC-style college union programming contest for 6 universities in Kyongin Region
 - * Participants : Ajou, Hanyang-ERICA, Inha, Korea Aerospace, Kyunghee, Sungkyunkwan Univ.
 - Designed set of problems
 - * 2022 : Submitted 2 problems (Problem B, C)
 - * 2023 : Submitted 2 problems (Problem ??)
- **Ajou Programming Contest (APC) - 2022, 2023** *Mar '23 - May '23*
Director, Problem setter *Sep '23 - Nov '22*
 - Annual ICPC-style programming contest held in Ajou Univ.
 - Problem submissions
 - * 2022 : Submitted 3 problems (Problem D, H, J)
 - * 2023 : Submitted 7 problems (Problem C, E, G, H, J for Advanced division, C, H for Beginner's division)
- **Analyze 'N Solve It! (ANSI)** *Jan '23 - Current*
Member, Vice president
 - Algorithmic problem solving club in Ajou University
 - Ran algorithmic problem solving study group
 - Directed several programming contests

RESEARCH INTERESTS

- **Algorithm** - graph theory, geometry, string algorithm
- **Theory of Computation**
- **Computer System Software**

FURTHER SKILLS AND QUALIFICATIONS

- **Software Skills** : C/C++, L^AT_EX
- **Language** : Korean(Native), English(Upper intermediate)

ACHIEVEMENTS AND HONORS

- **34th place**, 2023 International Collegiate Programming Contest (ICPC) - Seoul Regional *Nov '23*
- **59th place**, 2022 International Collegiate Programming Contest (ICPC) - Seoul Regional *Nov '22*
- **Finalist**, 2023 Samsung Collegiate Programming Cup (SCPC) *Aug '23*
- **Academic Scholarship**, Ajou University *Dec '22*
- **Academic Scholarship**, Ajou University *Jul '20*