

Mina Lee

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<https://minalee.info>

INTERESTS	Program Synthesis, Programming Languages, Computer-Aided Education	
EDUCATION	Stanford University <i>Ph.D. Student in Computer Science (Advisor: Professor Alex Aiken)</i>	Stanford, CA, USA Sept. 2017 - present
	Korea University <i>Undergraduate Student</i>	Seoul, Republic of Korea Mar. 2012 - Aug. 2016
	<ul style="list-style-type: none">• Bachelor of Science in Computer Science and Engineering• Bachelor of Engineering in Software Technology and Enterprise Program• Total GPA of 4.39 / 4.5 (98.7 / 100)	
	University of British Columbia <i>Exchange Student</i>	Vancouver, BC, Canada Sept. 2014 - Apr. 2015
PUBLICATIONS	<u>Mina Lee</u> , Sunbeom So, and Hakjoo Oh. 2016. Synthesizing regular expressions from examples for introductory automata assignments. In <i>Proceedings of the 2016 ACM SIGPLAN International Conference on Generative Programming: Concepts and Experiences (GPCE)</i> . Best Paper Award	
RESEARCH EXPERIENCE	Programming Research Laboratory , Korea University <i>Research Intern (Advisor: Professor Hakjoo Oh)</i>	Seoul, Republic of Korea Nov. 2015 - Aug. 2016
	<ul style="list-style-type: none">• Led project on automatic synthesis of regular expressions, won gold prize in graduation project competition with poster, and published paper based on work• Participated in projects on program synthesis, static analysis, and machine learning<ul style="list-style-type: none">- Program Synthesis: Synthesized regular expressions from examples- Static Analysis: Reduced false alarms by selectively applying soundness to programs- Machine Learning: Learned feature programs from results of static analysis• Gave poster presentation on synthesizing regular expressions at SPLASH 2016	
TEACHING	Basics of Computer Systems , University of British Columbia <i>Teaching Assistant</i>	Vancouver, BC, Canada Jan. 2015 - Apr. 2015
	<ul style="list-style-type: none">• CPSC 261 Basics of Computer Systems in Department of Computer Science• Covered basic C programming, assembly language (X86-64), pipelined CPU, caching, memory hierarchy, virtualization, processes and threads, file systems, and networking• Ran laboratories for over 50 students twice a week, had office hours every week, answered questions in person and online, marked assignments, and proctored exams	
HONORS AND AWARDS	<i>School of Engineering Graduate Fellowship</i> , Stanford University, 2017 <i>Best Paper Award</i> , Generative Programming: Concepts and Experiences (GPCE), 2016 National Science and Engineering Scholarship, Korea Student Aid Foundation, 2015-2016 Semester High Honors, Korea University, 2012, 2013, 2015, 2016 Gold Prize in Graduation Project Competition, Korea University, 2016 Dean's List, Korea University, 2015 Honors Scholarships, Korea University, 2013 Collegiate Honors, Korea University, 2013 Best Honors Scholarships, Korea University, 2012 Academic Excellence Scholarship for Freshmen, Korea University, 2012	

INTERNSHIPS

Smart and Innovative Technology
Research and Development Intern

Hwaseong, Republic of Korea
Jan. 2016 - Feb. 2016

- Researched industrial protocols and their specifications for automatic control systems
- Evaluated open source libraries for protocols such as Modbus TCP, OPC UA, and BACnet
- Developed prototypes for networking simulation using Java for development, MariaDB and MyBatis for database management, and Maven for project management

Trap Danmark

Software Developer Intern

Hørsholm, Denmark
Jun. 2015 - Aug. 2015

- Built up digital strategy for national Danish topographic encyclopedia
- Designed interactive UI tailored for map-related features using Mapbox API
- Developed Android application for prototyping and suggested markup language

TECHNICAL SKILLS

Advanced C, Java, HTML, CSS, PHP, JavaScript, jQuery, Ajax
Moderate Python, OCaml, Assembly Language (X86-64)
Novice Coq

LANGUAGE
PROFICIENCY

Fluent in **English** and Native in **Korean**

- New GRE: Verbal (161, 88%), Quantitative (170, 97%), Writing (4.0, 59%)
- IBT TOEFL: 114 (Reading: 28, Listening: 30, Speaking: 26, Writing: 30)