

# Mina Lee

<https://minalee.info>

INTERESTS	Program Synthesis, Computer-Aided Education, Software Security	
EDUCATION	<b>Korea University</b> <i>Undergraduate Student</i>	Mar. 2012 - Aug. 2016 Seoul, Korea
	<ul style="list-style-type: none"><li>• Bachelor of Science in Computer Science and Engineering</li><li>• Bachelor of Engineering in Software Technology and Enterprise Program</li><li>• Total GPA of 4.39 / 4.5 (98.7 / 100)</li></ul>	
	<b>University of British Columbia</b> <i>Exchange Student</i>	Sept. 2014 - Apr. 2015 Vancouver, Canada
HONORS AND AWARDS	<b><i>Doctoral Study Abroad Scholarship</i></b> , Korea Foundation for Advanced Studies (KFAS), awarded to qualified students to complete their doctorates, full tuition and stipend, 2017-2022 <b><i>Best Paper Award</i></b> , 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 Scholarships for PLDI 2016, PLMW@PLDI, 2016 Dean's List, Korea University, 2015 Venture Internship Program Scholarships, Korea University, 2013 Honors Scholarships, Korea University, 2013 Collegiate Honors, Korea University, 2013 Best Honors Scholarships, Korea University, 2012 Academic Excellence Scholarship for Freshmen, Korea University, 2012	
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</i> (GPCE 2016). [pdf][demo][code]	
RESEARCH EXPERIENCE	<b>Programming Research Laboratory</b> , Korea University <i>Research Intern (Adviser: Professor Hakjoo Oh)</i>	Nov. 2015 - Aug. 2016 Seoul, Korea
	<ul style="list-style-type: none"><li>• Led project on automatic synthesis of regular expressions, won gold prize in graduation project competition with poster, and published paper based on work</li><li>• Participated in projects on program synthesis, static analysis, and machine learning<ul style="list-style-type: none"><li>Program Synthesis: Synthesized simple regular expressions from examples</li><li>Static Analysis: Reduced false alarms by selectively applying soundness to programs</li><li>Machine Learning: Learned feature programs from results of static analysis</li></ul></li><li>• Gave poster presentation on synthesizing regular expressions at SPLASH 2016</li></ul>	
TEACHING	<b>Basics of Computer Systems</b> , University of British Columbia <i>Teaching Assistant</i>	Jan. 2015 - Apr. 2015 Vancouver, Canada
	<ul style="list-style-type: none"><li>• CPSC 261 Basics of Computer Systems in Department of Computer Science</li><li>• Covered basic C programming, assembly language (X86-64), pipelined CPU, caching, memory hierarchy, virtualization, processes and threads, file systems, and networking</li><li>• 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</li></ul>	

INTERNSHIPS	<p><b>Smart and Innovative Technology</b> <i>Research and Development Intern</i></p> <ul style="list-style-type: none"> <li>• Researched industrial protocols and their specifications for automatic control systems</li> <li>• Evaluated open source libraries for protocols such as Modbus TCP, OPC UA, and BACnet</li> <li>• Developed prototypes for networking simulation using Java for development, MariaDB and MyBatis for database management, and Maven for project management</li> </ul>	Jan. 2016 - Feb. 2016 Hwaseong, Korea
	<p><b>Trap Danmark</b> <i>Software Developer Intern</i></p> <ul style="list-style-type: none"> <li>• Built up digital strategy for national Danish topographic encyclopedia</li> <li>• Designed interactive UI tailored for map-related features using Mapbox API</li> <li>• Developed Android application for prototyping and suggested markup language</li> </ul>	Jun. 2015 - Aug. 2015 Horsholm, Denmark
EXTRACURRICULAR ACTIVITIES	<p><b>Korea University Buddy Assistants</b> <i>Buddy Assistant</i></p> <ul style="list-style-type: none"> <li>• Organized and participated in various activities and events such as welcoming party, weekly dinners, monthly field trips, and international student festival</li> <li>• Helped exchange students adjust to Korean culture and campus life</li> <li>• Taught Korean and learned English by participating in language exchange programs</li> </ul>	Sept. 2013 - Feb. 2014 Seoul, Korea
	<p><b>Korea University Institute of Computer Security</b> <i>Regular Member</i></p> <ul style="list-style-type: none"> <li>• Taught C programming language to freshmen for semester</li> <li>• Gave lectures and made assignments with own material on weekly basis</li> <li>• Participated in study groups for web hacking and system hacking</li> </ul>	Mar. 2012 - Dec. 2013 Seoul, Korea
TECHNICAL SKILLS	<p><b>Advanced</b> C, Java, HTML, CSS, PHP, JavaScript, jQuery, Ajax  <b>Moderate</b> OCaml, Python, Assembly Language (X86-64), Android  <b>Novice</b> Coq</p>	
LANGUAGE PROFICIENCY	<p>Fluent in <b>English</b> and Native in <b>Korean</b></p> <ul style="list-style-type: none"> <li>• New GRE: Verbal (161, 88%), Quantitative (170, 97%), Writing (4.0, 59%)</li> <li>• IBT TOEFL: 114 (Reading: 28, Listening: 30, Speaking: 26, Writing: 30)</li> </ul>	
REFERENCES	<p><b>Hakjoo Oh</b> Assistant Professor Department of Computer Science and Engineering College of Informatics Korea University</p> <p>Phone: +82-2-3290-4601 Email: hakjoo_oh@korea.ac.kr <a href="http://pr1.korea.ac.kr">http://pr1.korea.ac.kr</a></p>	
	<p><b>Jaegul Choo</b> Assistant Professor Department of Computer Science and Engineering College of Informatics Korea University</p> <p>Phone: +82-2-3290-4602 Email: jchoo@korea.ac.kr <a href="https://sites.google.com/site/jaegulchoo">https://sites.google.com/site/jaegulchoo</a></p>	
	<p><b>Heejo Lee</b> Professor Department of Computer Science and Engineering College of Informatics Korea University</p> <p>Phone: +82-2-3290-3638 Email: heejo@korea.ac.kr <a href="http://ccs.korea.ac.kr/people/heejo">http://ccs.korea.ac.kr/people/heejo</a></p>	