

Assil Ksiksi

Resume

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Education

- 2016– **Ph.D. in Electrical and Computer Engineering**, *Georgia Institute of Technology*.
Research interests: hardware/software security, hardware integrity verification
- 2011–2015 **B.Sc. in Electrical Engineering**, *United Arab Emirates University*, Al Ain, UAE.
Senior project: A Real-time Traffic Information System for Vehicle Drivers (**GPA:** 3.86)

Experience

- 08/2016– **Graduate Research Assistant**, *Georgia Tech*, Atlanta, GA.
Working in Dr. Vincent Mooney's group, *Hardware/Software Codesign for Security*. My current research is on securing remote update delivery to reconfigurable hardware/software systems.
- 01-06/2016 **Research Assistant**, *Masdar Institute of Science and Technology*, Abu Dhabi, UAE.
Implemented a number of projects in digital circuit design, including a full-custom 16-bit carry lookahead adder operating at ~300 ps.
- 09-12/2014 **Drilling and Measurements Intern**, *Schlumberger*, Abu Dhabi, UAE.

Coursework

- Graduate Advanced Computer Architecture, Digital Systems Test, Computer Network Security, Applied Cryptography, Digital IC Design
- Undergraduate Embedded Systems, Computer Architecture, Electronics, Signal Processing

Languages and Tools

- Skilled:** Python, Scala, Java
- Moderate:** C, C++, JavaScript/Node, Go
- Basics:** MATLAB, Verilog, VHDL
- Libraries:** Flask, SQLAlchemy, OpenCV, protobuf, Pandas, Numpy, jQuery, Play (Scala), Android
- Tools:** zsh, make, sbt, Git, LaTeX, QGIS, MongoDB

Selected Projects

- | | | | |
|----------------|-------------------------------------|-------------------|------------------------------------|
| procsim | Tomasulo pipeline simulator | jadawil | Course scheduler for UAEU students |
| csim | Digital circuit and fault simulator | roadomatic | Road safety alert system |

Publications

- 2015 A. Ksiksi, S. A. Shehhi, and R. Ramzan, *Intelligent Traffic Alert System for Smart Cities*, IEEE SmartCity 2015, Chengdu, China

Awards & Honors

- 2016,2017 Recipient of the Georgia Tech *President's Fellowship*
- 2014,2015 5th place in Gulf Programming Competition