

Assil Ksiksi – Resume

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Born: December 19, 1993—Las Cruces, New Mexico, USA

Nationality: Tunisian/American/Australian

Education

- 2016- **PhD in Electrical Engineering, Georgia Institute of Technology, Atlanta, GA**
Research interests: hardware security, hardware integrity verification, secure IC design
- 2011-2015 **BSc in Electrical Engineering, UAE University**
GPA: 3.86
Senior project: A Real-time Traffic Information System for Vehicle Drivers
Selected courses: Microelectronics, Control Systems, Computer Architecture, Signal Processing, Embedded Systems

Work Experience

- 2016 **Research Assistant, Masdar Institute, Abu Dhabi, UAE**
I worked on a number of projects in digital circuit design, including a 16-bit Kogge-Stone adder and a all-digital hardware RNG. I did some training on commonly used equipment in device fabrication, and covered the basics of SEM.
- 2014 **D&M Intern, Schlumberger, Abu Dhabi, UAE**
I was rotated through various departments within the Drilling and Measurements segment. I spent most of my time reading about the technology developed in-house and deployed in the field. After rotation, I worked on a number of projects for one of the departments.

Programming Languages

Python, Java, Scala, C, C++, JavaScript, Node, MATLAB, Go

Publications

A. Ksiksi, S. A. Shehhi, and R. Ramzan, “Intelligent Traffic Alert System for Smart Cities” (<http://ieeexplore.ieee.org/document/7463719/>)

Awards & Honors

2015 Participated in IEEE UAE robotics competition
2014, 2015 5th place in Gulf Programming Competition
2012-2015 First place in UAEU Programming Competition

Projects

Roadomatic

Our senior project; a system that delivers road and traffic information in real-time to road users. Backend server written in Node.js and Go. Frontend client developed using Java and Android SDK.

Jadawil

A course scheduler for UAEU students. Built using Python, Flask, and mechanize. Hosted on Heroku: <http://jadawil.xyz>.

IEEE UAE Robot

Programmed a robot to follow a person. Written in Java 8 using OpenCV for image processing and JavaFX for control panel GUI.

STrackr

Maintenance task manager built during my internship at Schlumberger. Written in Node.js using NW.js.

Impact

A desktop app to find impact factors of journals. Written in Scala and leverages JavaFX for the GUI.