Assil Ksiksi

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Github*: http://github.com/aksiksi*

Born*: December 19, 1993—Las Cruces, New Mexico, USA*
Nationality*: Tunisian/American/Australian*

Education

2011-
BSc in Electrical Engineering, UAE University
GPA: 3.86
Senior project: Location-Based Traffic Information System
Selected courses: Microelectronics, Control Systems, Computer Architecture, Signal Processing, Embedded Systems

Internships

Fall 2014   *Drilling & Measurements, Schlumberger, Abu Dhabi*

Research and Publications

2014
Intelligent Traffic Alert System for Smart Cities
We designed a system that can deliver road and traffic alerts to drivers over the commercial FM band. Drivers can hear audio alerts simply by tuning to a specific frequency. If an optional hardware module is installed, the driver can view further visual alerts on a LCD display.
The paper has been **accepted for publication** *in the IEEE Smart City 2015 conference proceedings.*

Awards & Honors

2015   *Achieved rank 660 out of 1900 in IEEEXtreme international programming competition*
2015   *Participated in IEEE UAE robotics competition*
2014, 2015   *5th place in Gulf Programming Competition*
2012-2015   *First place in UAEU Programming Competition*

Projects

Note*: All of the projects listed below are open-source and available on my Github page.*

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.herokuapp.com.
Kobuki Robot
Programmed the robot to follow a person wearing a shirt with a green square on it. Written in Java 8. Used OpenCV for image processing, JavaFX for the control panel GUI, and jkobuki-2 for robot control.
STrackr
Maintenance task manager built during my internship at Schlumberger. Written in Node.js using NW.js. Uses many libraries including Backbone for the UI and nedb for task persistence.
dubizzle
Scraping-based Python API for Dubizzle. Allows programmatic access to listings using a simple API. This project got me a job offer at Dubizzle.
Impact
A desktop app to find impact factors of journals. Written in Scala and leverages JavaFX for the GUI.

Programming Languages

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

Hobbies

Running
Programming
Reading: science fiction, history, startups