John Naguib

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Education

Carnegie Mellon University — May'16

B.Sc. Computer Science
Minor in Robotics

Class Projects

Fingers-controlled robot car (Embedded Systems) — Spring'14

(Team of 2)
Built a system using **C** to control a robot car wirelessly by bending different fingers using flex sensors and Xbee.

Hala-See Hala-Do (Perceptual Computing class) — Fall'13

(Team of 3)
Used Intel Perceptual computing SDK in **C++** and creative camera to create a robot that is able to answer questions using voice commands and responds to facial expressions such as smiling and nodding.

Sentiment Analysis for Twitter Data (Text Processing) — Fall'13

Wrote **Python** scripts that analyze tweets being positive, negative or neutral using Naive Bayes and libSVM.

Work Experience

Internship at Inpleo (Startup) — Summer'15

Developed an interactive analytics dashboard for a business intelligence engine to model transaction data at Inpleo - a reverse auction platform. The dashboard is built using **dc.js** and is comprised of charts based on Inpleo's aggregated data.

Research

Hala - Bilingual Robot receptionist (CMU-Q) — Fall'12 - Spring'13

- Improved the knowledge-base of Hala in English and Arabic
- Wrote a **Python** script to find patterns in Hala's logs, extracts the important data and inserts them in a database
- Built an online dashboard that extracts data from the database as required and plot different charts using **Highcharts**
- Presented research findings at Meeting of the Minds, an annual research symposium

Programming Awards

Pittsburgh Codefest — Spring'15

(Team of 5)
Developed an application using **Python** that extracts information from syllabi and exports it to google calendar to remind students before their assignments and exams.

*Qatar Collegiate Programming Contest (*1st Place) — Spring'14

*Oman Collegiate Programming Contest (*2nd Place) — Spring'14

*Gulf Programming Contest (*4th Place) — Spring'14

Technical Skills

Python	★★★★☆	HTML	★★★★☆
Java	★★★★☆	CSS	★★★☆☆
C	★★★★☆	JavaScript	★★★★☆

Languages

Proficient in written and spoken English and Arabic