

# Salim A. El Awad Ibrahim

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## EDUCATION

**B.S. Computer Science**  
*University of Houston*

**May 2015 – Expected December 2017**  
**GPA: 3.97**

## EXPERIENCE

### Teaching Assistant

**Jan 2016 – Present**

*Computer Science Department - Houston, TX*

- Work with Dr. Huang to teach Introduction to Computer Science and with Dr. Dursun to teach Computer Science and Programming.
- Use problem solving and critical thinking skills to create assignments, and grade homework and exams.
- Strengthen communication and listening skills through teaching 25 students in weekly labs and holding office hours to assist students.

### Software Engineer Intern

**May 2016 – Aug 2016**

*NetIQ – Houston, TX*

- Made reports with JasperSoft for Oracle and PostgreSQL databases.
- Gained experience working in a large company and using the scrum methodology.
- Developed tools that reduced the amount of time spent maintaining reports.

### Research Assistant

**June 2016 – Sep 2016**

*Computer Science Department – Houston, TX*

- Researched under Dr. Thamar Solorio mixed-language analysis.
- Worked with web crawlers to collect large amount of mixed-language data from twitter.
- Analyzed large amounts of collected data.

## COURSEWORK

**Computational Thinking** (Python) – Markov Models, search algorithms, encryption

**Programing Fundamentals** (Java, XML) – control structures, object-oriented programming paradigm, introduction to software engineering, android app development in Android Studio

**Data Structures** (C++) – Stacks, queues, lists, hash tables, trees, heaps, graphs, search and sorting

**Algorithms and Data Structures** – Asymptotic analysis, graph theory, dynamic programing

**Database Systems** - Techniques for file organizations on secondary storage, performance, design, and management of large integrated databases, data models, query languages.

## ACTIVITIES

### Computer Science Tutor

**Sep 2015 – Dec 2015**

*CougarCS – Houston, TX*

- Tutored UH students in computer science and math as part of CougarCS.

## AWARDS

University of Houston Dean's List Fall 2015 – Spring 2016

## SKILLS

**Programing Experience:** Java, C++, Python, SQL

**Language:** Bilingual in English and Spanish

**Other:** Android Studio, JasperSoft, PostgresSQL, Oracle SQL, XML