# Ayman Bagabas

**Computer Scientist**

Prolific problem solver with a strong urge to learn. Adept at self-motivation and assist others. Passionate about reverse engineering and data security.

## Education

**Fall 15 - Spring 19**

**Bachelor of Science in Computer Science**
With minors in Mathematics and Cyber Security.
Georgia Southern University (Savannah GA, USA).

**GPA** - 3.83.
**Dean's list** - Fall 15, Spring 16, Summer 16, Fall 16, Spring 17, Summer 17, Fall 17, Spring 18, Fall 18.

## Experience

**Fall 17 - Present**

**Research Assistant in Computer Science**
Georgia Southern University (Savannah GA, USA).

Design and develop anonymous authentication protocols for ad-hoc vehicle networks. Create writing simulation models that track power consumption and analyzes system behavior to detect anomalies.

## Publications

**Configurable Anonymous Authentication Schemes For The Internet of Things (IoT)**
Dr. Amar A Rasheed, Dr. Ray R Hashemi, Mr. Ayman Bagabas, Mr. Jeffrey Young, Mr. Chanukya Badri and Mr. Keyur Patel.
2019 IEEE International Conference on RFID (RFID).

## Skills

**Programming Languages** - Python, Java, C/C++, JavaScript, PHP, Bash, SQL, HTML, CSS, SageMath, Assembly.

**Operating Systems** - Linux, Unix, Windows, Android.

**Tools** - Git, Vim, Eclipse, Netbeans, Visual Studio, Atom, KVM/Qemu, VirtualBox, Docker, MS Office, IE, Firefox, Chrome, AutoCAD.

**Other** - Embedded Systems, Debugging, Assembling/Disassembling electronics, hand soldering.

**Soft Skills** - Strong leadership, communication, and collaboration skills. Time management, Self motivation and strong research skills. Adaptability and creative thinking skills.

**Hard Skills** - Skilled in programming logic, data structures, and high mathematics. Experienced with open source software and computer security.

**Languages** - Fluent in English. Native Arabic speaker.

## Projects

**Huawei WMI Driver** - A Linux driver that enables some of the missing features on Huawei laptops.

**CheckExercise** - A Java compiler and answer checker for the famous book 'Intro to Java Programming'. Implemented using JavaServer Faces.

**Glyrics** - A simple lyrics viewer written in Python that uses GTK for its GUI.

## Scholarships

- Saudi Arabian Cultural Mission (SACM) Scholarship.
- Jesse Shearouse Scholarship.

## Reference

Available upon request.