

# Ayman Bagabas

## Computer Scientist

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

## Education

Aug 15 - May 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.

**Scholarships** - Saudi Arabian Cultural Mission, Jesse Shearouse.

## Experience

Aug 18 - Present

### IoT Lab Research Assistant

[Georgia Southern University](#) (Savannah GA, USA).

Assist researcher in the area of Internet of Things (IoT). Organize and set up experiments. Collect and analyze data and prepare reports for publications and presentations.

Jan 18 - Aug 18

### 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.

## Reference

Available upon request.