Ayman Bagabas

Software Developer

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Education

2015-Present

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

GPA: 3.86.
Dean's list standing since starting college.

Job Experience

Jan 2018-Present

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

Designs and developments anonymous authentication protocol for ad-hoc vehicle networks; creates writing simulation models; tracks power consumption and analyzes the behavior of systems to detect anomalies.

Jun 2018

Math Mentor in Mathematical Science
Georgia Southern University (Savannah GA, USA).

Assists high school age camp participants with understanding concepts from number theories; helps participants with writing codes using Python on the mathematical software Sage and answers technical questions that the participants may have.

Skills

Programming

Web Development, HTML, CSS, and JavaScript - Designed my personal website using CSS, and HTML for Jekyll.

Java - Worked with multiple projects, mostly school projects like CheckExercise, which is a Java compiler and an answer checker for Dr. Daniel Liang's book Intro to Java Programming, and Bar-Pop, an Android application that finds the number of people in selected buildings.

C/C++ - Comfortable with using these languages especially with embedded systems. One of my projects was C8emu, an emulator for Chip-8 systems.

Python - Maintainer of mopidy-mp3quran which is an extension for the music server Mopidy.

Linux - Using it as a daily operating system. Very comfortable with using, managing, and administrating different Linux distributions.

Misc - MySQL, PHP, Lua, Bash, Embedded Systems, Raspberry Pi, Arduino. Check out my website page for more information.

Languages

Native Arabic speaker.
Fluent in English.

Activities and Awards

Awards

Jesse Shearouse Scholarship.
In the memory of Jesse Shearouse, the department of computer science at Georgia Southern University selects an outstanding student to receive this award.

Organizations

ACM - Secretary of the Association for Computing Machinery (ACM) in Georgia Southern University Armstrong Campus.

UPE - Part of the Upsilon Pi Epsilon Computing and Information Honor Society.

PME - A member of Pi Mu Epsilon Mathematical Honor Society.

References

Available upon request.