SAMIH SGHIER

Sophomore at Augustana College- CS, Mathematics & Finance

1314 43th ST, IL
61201 Rock Island
✆ *(+1) 309 270 6880*
✉ *samihsghier16@augustana.edu*
🖰 *https://samih-sghier.github.io/portfolio/*

Looking for an Internship Opportunity

Work experience - Projects

Summer 2018 | **Incoming Software Engineer Intern, MetroLink**.
- Development of a cross-platform application that lets user track the transit system.
- Leveraging GIS, GPS tracking and automated PA systems.

August.2017-Now | **Course Project: CSC-285 Software development**.
- Developed a Game Engine similar to Oregon Trail for the Swedish immigration center (Swenson) using javaFx, libgdx.
- Led the development team by working directly with the client, task distribution and acting as the scrum master.

August.2016-Now | **Full-Stack Web Developer EDGE center, Augustana College**.
- Developed hundreds of websites, softwares for local clients in the Quad cities and in other regions of the United States.
- Implemented a major redesign for our school's website.

August.2016-Now | **Ambassador for the office of career development, Augustana College**, .
- As a CORE Ambassador for the Augustana College office of career development, I assist students in professional development and prepare them for life after college.
  - Core Objectives :
    · Promote Handshake and Career development services throughout campus.
    · Increase foot traffic in office of career development.
    · Teach, review and edit resumes and cover letters.
    · Handshake outreach initiative
    · Career relevant workshops.
    · Career fair event planning and advertising.

2015-2016 | **Research Intern at University Mohammed V of Science "Laboratoire de physique des matériaux", Morocco - Rabat**.
- Designed experiments to support lab research.
- Development of a preliminary model of an engine using thermodynamic studies.

Research and Personal Projects

Research
- Independent research-study during the Summer of 2017 about Facebook's old news feed ranker "*EdgeRank*", the research is available on my portfolio website.
- Research proposal, for the HAL (Human and Automation) laboratory led by Dr.Cummings Duke University-REU 2018, involving UAV's: Autonomous Law Enforcement Unmanned Aerial Vehicles.
- Currently working on a research project involving cryptocurrency: Data Insertion in Bitcoin's Blockchain.
- Currently working on a research project involving unmanned aerial vehicle using Netlogo an agent based modeling software developed by Pr.Uri Wilenski at Northwestern University.

Personal Projects
- Developed a similar game to the famous "Flappy-Bird" on Java.
- Developed a similar game to "Agario" on Java.
- Developed two portfolio websites using Bootstrap and jQuery libraries.
- Engineered, coded robot for the 2018 robotic challenge at Augustana College using leJOS EV3.

Education

2016 – Now | **Bachelor (B.A.) in Computer Science, Mathematics & Finance**, *Augustana College*, Mathematics GPA-4.0.

2014 – 2015 | **Baccalaureate in Physics & Chemistry with honors** , *Morocco (Rabat)*.
(French secondary school diploma/high-school degree)

Technology Summary

Languages:	SQL, Python , Swift , Java, C++, MATLAB, C.
Web Dev:	HTML, CSS, Javascript, pHp.
Softwares:	Ruby on Rails, Ms Office (VBA), Ms Project, XCode, Qlick Sense , SAS, Netlogo(ABM), Mathematical software, COMSOL.

Languages

○ **French** Mother tongue (DALF)
○ **English** Fluent (TOEFL)

○ **Arabic** Mother tongue
○ **Russian** Beginner

Interests

Community life
○ Organization of the 2017 Chicago leadership retreat.
○ Active member of the Business, Investment & Computer science Club's.
○ Active member of the Game development Club.