

# Samih SGHIER

Student at Augustana College -CS ,  
Mathematics & Finance major

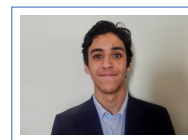
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📁 <https://samih-sghier.github.io/portfolio>



*Looking for an Internship opportunity starting May  
2018 for a duration of 3 months*

## Work experience - Projects

August.2017- **Course Project, CSC-285 Software development**, Development of a Game Engine similar  
Now to Oregon Trail for the Swedish immigration center (Swenson) using javaFx, libgdx. .

- Need : Interactive Game/Game Builder that allows students to have a fun E-learning experience.
- Solution : Development of cross-platform based application.
  - Product Owner, direct software design and development while remaining focused on clients needs.
  - Scrum master, mediating the general conflict of goals between development team and helping the team to maintain their Scrum tools (Story board, Action board, charts, backlogs, UML etc...).
  - Wrote extensible code in a team environment, Git/Github (UML and JSON available on my website).

August.2016- **Student Software/Web developer EDGE center-Augustana College**, As an Augustana  
Now Web Guild developer, I assist other full-time engineers/faculty in the creation, maintenance of hundreds of websites and softwares for clients in the Quad Cities and across the United States. Our focus is on creating modern, high quality websites for small businesses and nonprofit organizations (over 200 clients on annual contract).

- Need : Small business Software/Web development or maintenance.
- Solution : Build and design websites using Dreamweaver, Brackets, Coda2...
  - Maintenance of clients Information and database.
  - Maintenance of the Augustana College Website
  - Providing various IT services to other departments
  - Participation in different projects to help non-profit organizations and small business's to build their websites and provide a continuous maintenance services, organizations such as Bethany for Children and Families, 1 Marine 1 Life Foundation, Redenius Chiropractic....

August.2016- **CORE Ambassador for the career, opportunities, research and exploration office**  
Now **(CORE)-Augustana College**, .

- As a CORE Ambassador, I assist students in their professional development, preparing them for upcoming job openings, interviews, and life after college.
  - Core Objectives :
    - Promote Handshake and Career development services throughout campus.
    - Increase foot traffic in the office of career development.
    - Teach, review and edit resumes and cover letters.
  - Projects :
    - Handshake outreach initiative
    - Daily search and posting of 30+ Jobs, Internships and Volunteer opportunities.
    - Career relevant workshops.
    - Career fair event planning and advertising.

June.2015- **Responsible for centralizing accounting entries within the service of the accounting**  
August.2015 **reform at the ministry of finance and economy under the trusteeship of the Public Treasury of Morocco - (Rabat).**

- Job description:
  - Centralization of procurement payment transactions
  - Align accounting flows related to payment process to IPSAS standards
  - Participation in the development of a new public chart of accounts

June.2014- **Consultant in management intern at Century 21 cabinet Rollin - France (Bordeaux).**  
September.2014

- Job description:
  - Define the market rental value .
  - Monitoring construction work in the different places Century 21 have .
  - Assist the accountant in the monthly closing of accounts .
  - Establish rental property management mandate .
  - Prospection .

Discovery **Community Advisor -Residential life, Augustana College.**

## Education

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

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

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## Technology Summary

Languages: SQL, Python, Swift, Java, C++.

Script: (X)HTML, CSS, Javascript, LaTeX.

Softwares: Ms Office(VBA), Ms Project, XCoda2 , Qlick Sense, SAS, Netlogo(Agent Based Modeling), Matlab, R.

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## Languages

◦ French Mother tongue(DALF)

◦ Arabic Mother tongue

◦ English Fluent(TOEFL)

◦ Spanish Beginner

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## Interests

Community life ◦ Treasurer at the Student office - Ryad Al Maarifa .  
◦ Participation in the organization of the 2017 Chicago leadership retreat.  
◦ Active member of the Business, Investment & Computer science Club's.  
◦ Active member of the Game development Club.

Hobbies ◦ Soccer for more than 6 years, Fitness.  
◦ Chess, fishing, HackerRank.  
◦ Travel: France, Belgium, Germany, Morocco, Switzerland, Netherlands, Spain, Denmark.

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## Research and Personal Projects

Research ◦ Independent research-study during the Summer of 2017 about Facebook's old news feed ranker "Edge-Rank", the research is available on my portfolio website.  
◦ Currently working on a research project involving Cryptocurrency.  
◦ Currently working on a research project involving Unmanned aerial vehicle (UAV's) using Netlogo (agent based modeling software developed by Pr.Uri Wilenski at Northwestern University).

Personal ◦ Currently working on the development of a chess game (tricky).  
Projects ◦ Developed a similar game to the famous "Flappy-Bird" using Java.  
◦ Developed a similar game to "Agario" using Java.  
◦ Developed two portfolio websites using Bootstrap library and jQuery.

Research ◦ Machine learning

Interests ◦ Autonomous Systems

◦ Big data, IoT.

◦ Artificial Intelligence

◦ UAV's

◦ Financial Behavior Engineering and Adaptive Markets