

# SAMIH SGHIER

Student at Augustana College -CS ,  
Mathematics & Finance major

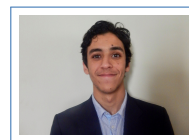
639 38th St, IL

61201 Rock Island

☎ (+1) 309 270 6880

✉ samihsghier16@augustana.edu

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



Looking for a Research opportunity starting May  
2018

## Work experience - Projects

- August.2017-  
Now **Course Project, CSC-285 Software development**, Development of a Game Engine similar 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 (software's UML available on my website).
- August.2016-  
Now **Student Software/Web developer EDGE center at Augustana College**, Augustana Web Guild developer - creation and maintenance of hundreds of websites/software for clients in the Quad Cities and across the United States..
- Need : Small business Software/Web development or maintenance.
  - Solution : Build and design websites using Dreamweaver, Brackets, Coda2...
    - Maintenance of clients databases MYSQL.
    - Maintenance of Augustana College official website.
    - Provide various IT services to the school different departments as well as other non-profit organizations (Bethany for Children and Families, 1 Marine 1 Life Foundation, Redenius Chiropractic...).
- August.2016-  
Now **CORE Ambassador for the career, opportunities, research and exploration office at 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.
- June.2015-  
August.2015 **Responsible for centralizing accounting entries within the department of the accounting reform at the ministry of finance and economy under the trusteeship of the Public Treasury of Morocco -Rabat..**
- Need : Centralization of procurement payment transactions.
  - Solution : Development of a new public chart of accounts compatible with the IPSAS standards
- 2015-2016 **Research Intern at University Mohammed V of Science "Laboratoire de physique des matériaux", Morocco - Rabat.**
- Research Highlights:
    - Designed experiments to support lab research.
    - Development of a preliminary model of an engine using thermodynamic studies.
- June.2014-  
September.2014 **Consultant in management Intern at Century 21 cabinet Rollin - France (Bordeaux).**
- Responsibilities:
    - Define the market rental value .
    - Assist the accountant in the monthly closing of accounts .
    - Establish rental property management mandate .
- Discovery **Community Advisor- Residential life, Augustana College.**

## Education

- 2016 – Now **Bachelor-(B.A.S) in Computer Science, Mathematics & Finance, Augustana College.**
- 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: Ms Office (VBA), Ms Project, XCoda2 , Qlick Sense , SAS, Netlogo(ABM), ORIGIN, Mathematical software, COMSOL.

---

## Languages

- French Mother tongue (DALF)
- English Fluent (TOEFL)
- Arabic Mother tongue
- Russian Beginner

---

## Interests

Community life

- Treasurer at the office of Student life - Ryad Al Maarifa.
- Organization of the first LGBT rights movement in Morocco.
- 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.

---

## 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 project involving Cryptocurrency.
- Research project involving Unmanned aerial vehicle (UAV) 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.
- Developed a bookstore website that allows Augie students to buy/sell textbooks for their courses-used by +2000 students each term.