

## CONTACT

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## RELATED COURSE-WORKS

Advanced Programming:  
Game development  
(Unity + C++)

Database Management:  
Built and stored music  
(PHP, MySQL)

Computer Organization  
and Architecture:  
Built computer in Minecraft

Theory and Construct  
of Compilers:  
Machine language, PEP8,  
Yak, Bison

Design of Algorithms:  
Introduction to  
fundamentals  
three classes  
(C++)

## SKILLS

C++ | HTML/CSS  
Javascript | PHP  
SQL | Python

## RECENT PROJECTS

Built a "Smart Mirror"  
with Raspberry Pi and  
one way mirror

Built an "Build an 8-Bit  
Computer" in  
Minecraft

Visit [saberadaqiq.me](http://saberadaqiq.me)  
for videos and  
pictures

# SARA DAQIQ

SOFTWARE DEVELOPER

## EDUCATION

2013 - 2016

**Georgetown College**

Bachelor of Science | Major in Information System & Psychology  
GPA 3.2 / 4.0

Recipient of Full Academic Scholarship & Howard Hughes Medical  
Institute Research Fellowship

## EXPERIENCE

**Founder, AccessLocal**

**2012 - Present**

- Facilitate digital presence for small local businesses (ie. websites, content, grants)
- Conduct grant Proposal Writing (3 successful proposals totaling in \$10,000 from U.S. Department of State) In June 2012
- Recruited and Empowered five skilled women to create merchandise with materials funded by founding members' seed money which led to a self-sustained company

**Girls Who Code Teacher, Microsoft**

**2016 - Present**

- Managing two teacher assistants and 20 high school seniors students for 40 hours/week for 9 weeks
- Teach Python, JavaScript, HTML/CSS and Robotics
- The students are able to build games, build responsive websites, and build and program robots
- The students learned leadership skills from industry leaders and role models
- 94% of students feel this program made them feel they can succeed in tech career

**Technical Intern, MakeTime Manufacturing**

**2016 - Spring**

- Built and manage a 40" x 72" smart mirror to show important data in the office from start to finish
- Used a raspberry pi, one-way mirror, and a recycled screen monitor Designed and animated icons in the mirror (HTML, CSS, Angular, Ruby on rails)
- Intergrated with Slack, Google Calendar, Periscope Data, and Weather using APIs
- Designed and built a wooden case that could support and room the mirror with all its amenities

**Girls Who Code Teacher Assistant, Square**

**2016 - Fall**

- 40X9 hours a week project based approach about abstraction thinking, computational thinking, algorithm development, leadership skills, and basic programming constructs
- Provided ongoing training about design and build process, end to end
- Assisted students to program robots to perform tasks (i.e. dance to the rhythm of a song) using Python
- Taught interactive website development with engaging user experience, mobile friendly, with assertive technology (JavaScript, Python, HTML, CSS)