

# KHALOB COGNATA

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## Skills

### EXPERIENCED

Java  
Javascript  
HTML/CSS  
Lua  
Bootstrap

### EXPOSED TO

C  
C#  
C++

## Education

Eastern Michigan University  
B. S. Computer Science

3.67 GPA  
Expected April, 2018

Jackson County Intermediate School District  
Computer Programming 2014

Career center that gave me specialized education in basic programming, web design, and mobile software development.

## Projects

Blooming Garden Jan 2017

[www.devpost.com/software/blooming-garden](http://www.devpost.com/software/blooming-garden)

First place submission to SpartaHack 2017.

Automated miniature home garden that gathered data from Arduino sensors and webcams to optimize growth using machine learning.

Adjust water pump and lighting from anywhere using Amazon Alexa, webserver, or X-keys Input.

Software: PHP, Python, NodeJs, Java, Javascript.

Hardware: Arduino sensors and motor, rotating-arm attached to water pump, raspberry pis, webcams, heat lamp, X-keys programmable keyboard.

Personal Website Jan 2016 to Current

[www.khalob.me](http://www.khalob.me)

Bootstrap-based website to host projects I have worked on.

Custom animations and completely mobile friendly.

Used: Bootstrap, Javascript, CSS3.

Eastern Dining Service Menu Proposal Dec 2016

[www.devpost.com/software/emu-dining-menu](http://www.devpost.com/software/emu-dining-menu)

Observed problems with EMU's original food menu website.

Displayed data in a more clear, understanding way.

Redesigned to be mobile friendly, implemented a five star rating and commenting system.

Used: Bootstrap, PHP, CSS3, Javascript, OAuth.

## Awards

HackEastern · 2nd Place Dec 2016

Redesigned Eastern Dining Service's website into a modern and mobile friendly menu with a built in rating system.

SpartaHack · 1st Place Jan 2017

Blooming Garden - an automated miniature garden for your home.

Over 700 participants

Business Professionals of America · 1st Place Regionally Jan 2013

BPA members gather regionally to solve a Java programming problem.

Graded on time and quality of code.

## Activities

Association of Computing Machinery · Webmaster Sep 2016 to Current

Eastern Michigan University educational organization representing the computing community.

Maintained website and participated in biweekly meetings.

## Volunteering

High School Programming Competition Volunteer · Lab Monitor Jan 2016

Eastern Michigan University

Helped with setup, cleanup, and monitoring of participants.