

# KHALOB COGNATA

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📍 Ypsilanti, MI

in khalob

🔗 khalob

## 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 which gave me specialized education in basic programming, web design, and mobile software development.

## Employment

Tenneco

Intern

Metal work involving sawing, deburring, crimping, and etching

3901 Willis Rd, Grass Lake, MI 49240

Aug 2017 to Current

EMU Dining Services

Supervisor

Handled time clock, setup, closings, cash register, and all shops. I also trained and supervised employees.

St Johns St, Ypsilanti, MI 48197

Aug 2014 to Aug 2017

Phantom Fireworks

Customer Associate

Signed customers into the data system, gave descriptions of the products, setup store front, and stocked products.

916 N W Ave, Jackson, MI 49202

May 2014 to Jul 2014

## Projects

Blooming Garden

[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 pi, webcams, heat lamp, X-keys programmable keyboard.

Jan 2017

Personal Website

[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.

Jan 2016 to Current

Eastern Dining Service Menu Proposal

[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.

Dec 2016

## Awards

National Environmental Health Association · Most Innovative Application

Awarded for designing and presenting: TapCheck - Know your water.

TapCheck is an Alexa skill that allows users to learn about the safety of their drinking water.

By supplying a zip code, users can learn about any safety issues at near by public water systems, the type of containment, how it is caused and much more.

Jul 2017

SpartaHack · 1st Place

Blooming Garden - an automated miniature garden for your home.

Over 700 participants

Jan 2017

HackEastern · 2nd Place

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

Dec 2016

## Activities

Association of Computing Machinery · Webmaster

Eastern Michigan University educational organization representing the computing community.

Maintained website and participated in biweekly meetings.

Sep 2016 to Current

## Volunteering

High School Programming Competition Volunteer · Lab Monitor

Eastern Michigan University

Helped with setup, cleanup, and monitoring of participants.

Jan 2016