

# Marcellus Mohanna

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## Education

Miami University, Oxford Ohio  
Bachelors of Science in Computer Science | 3.2 GPA with Honors

*Expected Graduation May '20*

## Skills

**Proficient** - Java, Python, C#, C++, HTML, JS, CSS, SQL

**Some** - PHP, C, Nodes, React, Django, Git, Vim, Unity, OpenGL

## Notable Projects and Experience

### **Senior Design | In progress**

*Current*

- Develop affordable replacement for expensive Diffuse Correlation Spectroscopy
- Used Raspberry Pi and C to optimize efficient bit-stream storage

### **Interactive Biochem Web Project**

*Feb '20*

- Used PHP and JS to produce dynamic equations for interactive Biochem app

### **Miami Univeristy Grade Distribution | In progress**

*Current*

- Build public, filterable database of ~20 years of Miami courses
- Used Python to collect, parse, and visualize data from 50+ pdf files

### **Analysis of Textual Themes by Machine Learning**

*Dec '19*

- Used Python Machine Learning to predict common themes in online fanfictions

### **Political Tweet Calculator**

*Apr '18*

- Determine a political bias of Twitter accounts based on tweets and followers
- Used ASP.NET and Twitter API implementation to collect and process live tweets

## Campus Involvement and Leadership

### **Resident Assistant**

*Aug '18 - May '19*

- Planned hall programs, built close relationships with 30+ residents

### **Teaching Assistant in CSE 174**

*Dec '17 - May '18*

- Hosted help sessions and graded assignments for 30+ students

### **E-Learning Tech**

*Summer '17 & '18*

- Used HTML and Adobe Acrobat to enforce accessible web and pdf pages

### **Alpha Phi Omega Service Fraternity**

*Feb '19 - Current*

- Volunteered 20+ hours per semester of community service

### **Python Club**

- Teach Python in help sessions, designed simple Python courses

## Work Experience

### **Associate Culinary Good and Service Deliverer | Gaslight Brewhouse**

*June '19 - Current*

- Delivered professional customer service at a high pace

### **Sales Associate | Jcrew and Reebok**

*Mar '15 - Aug '18*

- Responsible for Sales and general store administrative duties

## Interests

Powerlifting, Wrestling, JiuJitsu, Python scripting, Game development, PC building, Arabic