

# Julian Braha

Julianbraha.com

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## EDUCATION

### **University of Central Florida (Current) — *Double Bachelors of Science in Mathematics and Computer Science***

2017 - 2021

### **University of Central Florida — *Associate of Arts***

2017 - 2018

## WORK EXPERIENCE

### **University of Central Florida — *Undergraduate Research Assistant***

JULY 2019 - PRESENT

Creating a tool to replace C preprocessor code with semantically-equivalent C code for the purposes of static analysis. Working with Dr. Paul Gazzillo at APPLeSEEd Labs. We are aiming to submit the paper later this year (2020).

## PROJECTS

### **Android App — *Chicken Tender Subs on Sale***

Currently available on Google Play: this app alerts users when Publix's chicken tender subs go on sale. Can also be used to manually check for sales via an in-app button.

### **C Math Library — *Braha Math***

While this is still in development, the current progress can be found in one of my public Github repositories. Most of the functions are related to linear algebra, though I have also created structures that can represent tensors of any order, as well as multivariable algebraic equations.

## PROGRAMMING LANGUAGES

C/C++

Python

Kotlin

Go

Java

## TECHNOLOGIES

Android Studio

Linux

## CERTIFICATIONS

Microsoft Word

Microsoft Excel

Microsoft PowerPoint

## EXTRACURRICULAR ACTIVITIES

AI Club (Spring 2020)

U-LEAD Global (Fall 2019)

Rowing Club (2017)

Marching Band (2013 - 2017)

Drumline (2013 - 2016)

## **VOLUNTEER EXPERIENCE**

### **SECME Codecraft Programming Competition — Judge**

January 2020

### **STEM Day — APPLeSEEd Labs Representative**

October 2019

### **Clean the World LLC — Volunteer**

Fall 2019

### **Knights Helping Knights Pantry — Volunteer**

2017 - 2018

## **CURRENT COURSES**

Artificial Intelligence

Multicore Programming

Graph Theory

Mathematical Modeling