

# Anthony Elkommos Youssef

High School Senior

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## EXPERIENCE

### KingFut — *Writing Intern*

MAY 2019 - PRESENT

[Wrote many articles for KingFut](#) about Egyptian and African Football news

### Cellular Imaging | Zuckerman Institute — *Intern research assistant*

AUGUST 2018 - OCTOBER 2018

Interned at the Zuckerman Institute at Columbia University after emailing Dr. Darcy Peterka

Researched materials needed to conduct Expansion Microscopy, and created a list of materials needed

Learned to use several different imaging software to analyse images

Programmed a few macros for imageJ software

[Currently developing a method for precisely analysing, and accurately counting neurons in brain tissue](#)

### Rockland Web Design — *Web Developer*

JULY 2018 - NOVEMBER 2018

Created and fixed websites using WordPress

Coded websites using HTML5, CSS3, and php

Attended the AWS Global Summit on July 17

## EDUCATION

## PROGRAMMING LANGUAGES

HTML5

CSS3

Javascript

C++

Java

QBasic

PHP

Python

ImageJ Macro Language

## SOFTWARE

MAGIX Movie Edit Pro Plus

Microsoft Video Editor

Microsoft Word, Excel, and Powerpoint

Adobe Photoshop, Illustrator, Lightroom, and Premiere Pro

Autodesk AutoCAD and 3DS Max

Inkscape

NIS-Elements Viewer

ImageJ/ Fiji

Ilastik

## CERTIFICATES

Cert Prep: Excel 2016

Microsoft Office Expert

(77-728) - 2019

## Collège de la Sainte Famille, Egypt

2005 -2007

## Felix Festa Middle School, USA

SEPTEMBER 2007 - JUNE 2015

## Clarkstown High School North, USA

SEPTEMBER 2015 - PRESENT

Student Council Delegate

Gave a [Forethought Talk](#) about inequality

Enrolled in the Science Research Program:

Wrote three Reviews Of Literature, presented at two different Symposiums, and presented two papers at my school

Explored image segmentation, Expansion Microscopy, diffraction-limited imaging/microscopy, and iDISCO

Researched about graphene, and read over 50 articles about graphene synthesis by Chemical Vapor Deposition, the growth of epitaxial graphene, and the effect of wrinkles, ripples, and crumples on graphene's properties

Read a few articles about the synthesis of diamondoids, the isolation of adamantane from petroleum, surface-active polymers, and the synthesis of complex polymers

Researched and read articles about Artificial Psychology and the Turing machine

Participated in swimming during all 4 years of high school and Cross Country and Senior year

### ADDITIONAL ACTIVITIES

## The Key Of Life Scouting Group — Cub Scout Leader and Webmaster

2016 - PRESENT

Founder

Former Vice President, Crew Treasurer, and Quartermaster

Awarded Best Leader of The Year in 2018 and Best Project of The Year in 2017

Created and designed the official website for The Key Of Life Scouting Group using HTML, CSS, and JavaScript - [www.TheKeyofLifeScoutingGroup.com](http://www.TheKeyofLifeScoutingGroup.com)

The website used to be hosted on GoDaddy. In 2018, all the files were transferred over to Amazon AWS, then to Netlify

Vanilla JavaScript: Web Workers, Lynda.com - 2019

HTML5: Geolocation, Lynda.com - 2019

Android Oreo Developer, Udemy - 2018

Java, Cambridge Certification Authority - 2018

Programming Concepts With Python, Alison - 2018

CSS, SoloLearn - 2018

HTML, SoloLearn - 2018

php, SoloLearn - 2018

Interactive Kotlin Basics, Tech.io - 2018

JavaScript, SoloLearn - 2017

### LANGUAGES

English

Arabic

French

Coptic (read & write only)

### INTERESTS

Photography

Graphic design

Web design and development

Movie editing

Hunting, hiking, and camping

Attended the University Of Scouting in 2018

Completed training in Climb On Safely

### **Robotics Team — Webmaster**

2017 - PRESENT

In charge of Clarkstown North High School's robotics team website -

[8-BIT-RAMs.Netlify.com](http://8-BIT-RAMs.Netlify.com)

Helped other team members learn about web designing and coding

### **National Honor Society — Vice President of Technology and Design**

2017 - PRESENT

In charge of Clarkstown North High School's National Honor Society website - [www.sites.google.com/s.ccsd.edu/NHS](http://www.sites.google.com/s.ccsd.edu/NHS) - inaccessible to emails not ending with .ccsd.edu

Designs all flyers and banners

In charge of the Honor Society's social media pages

### **French Club — President**

2015 - PRESENT

In charge of Clarkstown North High School's French Club website - [www.sites.google.com/s.ccsd.edu/FrenchClub](http://www.sites.google.com/s.ccsd.edu/FrenchClub) - inaccessible to emails not ending with .ccsd.edu

Organizes pizza sales and fundraising events