

# Elexie Munyeneh

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## Personal Details

**About Me** Computer Science major seeking an intership for Spring 2020

**My Readings** *highscalability* · O'reily · Packt Pub · *medium* · *pyimagesearch* · *allaboutcircuits* · (some) Art of Electronics · *falstad*

**Participated in** Carolina Fintech Hub, CodeLinc, HackNC, HackGT, Pearl Hacks, HacakthonClt, Queen City, etc

**Projects and Readings Involve** fullstack web development. scalable, AI driven architectures for mobile and web. realtime and batch processing pipelines. microservices, system internals, interfacing software and hardware.

## Tools

**Web** HTML CSS JavaScript/JQuery · NodeJS/ExpressJS · PHP

**Databases** MongoDB · MySQL

**Computer Vision** OpenCV · Tensorflow

**Languages and Misc.** Java · C++ · C# · Python · Swfit · Pandas · Matplotlib · Latex

## Projects

### Jupyter Notebook Data Analysis and Visulaization Projects

with Opioids Data, Cancer Images, MNIST Dataset

<https://github.com/elexie/MachineLearning>

### Obstacle avoiding bot with HC-SRO4 and Raspberry Pi

raspberry pi was embedded with Haar cascades facial detection algorithm

### HTML5 and CSS3 website using JSON as a pseudo-database

<https://github.com/elexie/groupFour> and <https://github.com/elexie/salgado>

**Misc.** : Code challenges on codeeval.com, hackerank.com, SMTP email via Powershell, rf receiver, etc

[ in progress to end of Dec.2020 ]

### infinite scroll using Google's Intersection Observer

modifying [elexie.github.io/salgado](https://github.com/elexie/salgado) to load images from an AWS Redis instance via a web socket connection

### Modeling the Enron Dataset and others with 4 different DBs

Neo4j, MySQL, MongoDB, PostgreSQL and connecting them to Kafka

### Remote requests Computer Vision api

image processing api for either template matching, artistic style transfer, or image classificarion

**Tools:** Apache Kafka, Lambda Architecture, Nginx, AWS EBR, AWS EC2, Apache Spark and Hadoop, Cassandra, NoSQL DBs

## Eudcation & Work

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UNC Charlotte, Bachelor of Computer Science(Math not yet declared)—2014 to Fall 2019, Aug. 2020 to Dec 2020.

**Clubs:** ACM & ACMW

**Work:** University City Library Tech Tutor(2014 - 2016)