

Elexie Munyeneh

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Personal Details

About Me Computer Science major seeking internships for Winter 2020 and Summer 2020

Primary Sources *highscalability* · *AWS Blog* · O'reily · Packt Pub · *medium* · *pyimagesearch* · *allaboutcircuits* · (some) Art of Electronics · *falstad*

Participated in (won 4+) Pittsburg School of Pharmacy Hackathon, Carolina Fintech Hub, CodeLinc, HackNC, HackGT, Pearl Hacks, Hacakthon-Clt, 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 · Swift · Pandas · Matplotlib · LaTeX

Projects

Jupyter Notebook Data Analysis and Visualization 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 March.2020]

infinite scroll using Google's Intersection Observer

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

Deploying Tensorflow+Keras trained models using SageMaker

models will then be queried using either AWS Lambda or a NodeJS app. running on EC2

Ryan Zotti's self-driving car project

Remote requests to Computer Vision enabled Api

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

Tools: Amazon SageMaker, AWS S3, Apache Kafka, Lambda Architecture, Nginx, AWS EBR, AWS EC2, Apache Spark and Hadoop, Million Song Dataset, Cassandra, NoSQL DBs, etc

Eudcation & Work

University of North Carolina - Charlotte. B.S 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)