Mohammed **Elsayed**

✉ elsayedmohammed8120@gmail.com | ▢ 7189167907 | ⚲ Brooklyn, New York | ⦿ github.com/Momopeach1

Education

Hunter College   *New York, NY*
BA IN COMPUTER SCIENCE   *Sept 2015 – Dec 2019*
GPA: 3.1

Work Experience

ARCAthens   *Bronx, NY (Remote)*
WEBSITE MAINTENANCE - PART TIME   *Jan 2021 – Present*
- Considerable experience managing online content and data
- Especially adept at performing website testing and analysis
- Prepared weekly and monthly reports of website traffic
- Sound knowledge of HTML and CSS used to format the website

H&K Grocery inc   *Brooklyn, NY*
CO-MANAGER   *Jun 2015 – Dec 2019*
- Balanced company checkbook
- Recorded and ordered inventory
- Managed payroll and employee shifts

Skills

Programming Languages: JavaScript, C++ / C#, Python, Java
Frameworks / Technology: React, ExpressJS, Node, Cloud Computing, Micro Controllers, Agile / Scrum, System Design

Projects

Walkie Talkie - Present   *React, Express.JS, WebRTC, Socket.io, Heroku, AWS*

A CHAT APPLICATION THAT LETS YOU ALSO HAVE VOICE CHATS WITH GROUPS OF FRIENDS AS WELL AS MESSAGE THEM. THERE ARE ALSO SHARED WHITEBOARD CHANNELS WHERE YOU CAN TALK AND DRAW WITH OTHERS. MY API UTILIZES WEBRTC, THAT HANDLES ALL THE PTP VOICE, AND SOCKET.IO, THAT HANDLES ALL MESSAGES AND WHITEBOARD INTERACTIONS. AN AWS INSTANCED TURN SERVER RUNS TO HANDLE PTP VOICE TRAFFIC.

github.com/Momopeach1/WalkieTalkie

Audio Homework - December 2019   *React, Express.JS, GC DataStore, GC Buckets, GC Virtual Machines, GC Load Balancers*

THIS WEB APPLICATION USES GOOGLE CLOUD API TO CONVERT ANY PDF FILE TO AN MP3 THAT CAN BE DOWNLOADED OR JUST LISTENED TO ON THE WEBSITE. USED GOOGLE VISION API & GOOGLE TTS TO CONVERT A PDF TO MP3. GC BUCKETS STORED BOTH PDFS AND MP3S AND SHOWED THE MOST POPULAR ONES. DATASTORE HOUSED ALL THE IDS OF THE MP3S FOR FASTER ACCESS. LOAD BALANCERS AND DATABASES SCALED WITH USE.

github.com/AceroM/distributed-systemsproject

Morph! - December 2019   *JavaScript, Express.JS, AWS, Flask, Circle.ci, Sentry*

A NORMAL TOP DOWN SHOOTER GAME IN A WEB APPLICATION. IN THE MIDDLE THERE IS A BOMB THAT USES A GENETIC ALGORITHM TO DETERMINE OPTIMAL EXPLOSION PATTERNS. IT EXPLODES IN A CONWAYS GAME OF LIFE PATTERN AND USES FREQUENT PLAYER COORDINATES AS STARTING POINTS. PING STABILIZATION AND OBJECT INTERPOLATION WERE CODED IN JS.

github.com/AceroM/distributed-systemsproject

Extra Curricular

2018-2019	**Japanese Language tutoring**, Spent time tutoring Japanese and was a teachers assistant	*Hunter College*
2019	**CUNY Hackathon**, Built an app that calculates carbon footprint and compare it with your friends	*Baruch College*
2018	**HackNY**, Built an app that measures how many people who are on it and lets u ping members.	*New York University*