# AATIB ABDULLAH

## SOFTWARE DEVELOPMENT ENGINEER

## CAREER OBJECTIVE

Recent computer science graduate seeking to use knowledge gained from an educational setting and apply them to real world problems by obtaining a Software Development Engineer position.

## HARD SKILLS

- Python 3
- Sqlite3
- Java
- SQL
- POSIX C
- C++
- Linux
- Data Structures
- Algorithms
- Operating Systems Concepts
- Android Software Development
- Object-Oriented Analysis and Design
- Agile Software Development Life Cycle
- Project Libre
- Microsoft Office

## SOFT SKILLS

- Adapt to changing environment
- Quick Learner
- Strong work ethic
- Quick to respond to issues
- Problem-solver
- Creative and flexible when necessary

## CONTACT


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https://github.com/AatibAbdullah1


## WORK EXPERIENCE

### SOFTWARE DEVELOPER - EMERGING TECHNOLGIES

Technology: Python, SQLite, MongoDB, RabbitMQ, REST, Flask, JavaScript, HTML, Shaka Player, ReactJS, Dash, FFMPEG | Jan 2021 - Present

- Derived functional requirements which can then be translated to a service (micro-services)
- Found all the nouns/key-players of the system and designed Database schema accordingly
- Dealt with CORS implementation, allowing a script from a server request from another server in a different location, but only allows certain domains.
- Implemented video-streaming (video-on-demand), only scripts from certain domains can be allowed to fetch/request video-stream (CORS policy)
- Currently it is capable to render images, video, and other text messages.

## RELEVANT EXPERIENCE

### CAR IDENTIFIER

Technology: Python,Tensorflow,Kerasm,Numpy | Nov 2020 – Dec 2020
Artificial Intelligence Project, working on Car Identification. Identifying different brands of cars. Each being identified by make, model and generation.

- Utilizes Python 3 and TensorFlow to process images/frames to identifiy cars.

### BRAIN WAVE DATA PROCESSING

Technology: Python,Tensorflow,Kerasm,Numpy | Jan 2020 – May 2020
Research Project, working on image classification. Identifying road signs for fast-food chains. Depending on the emotional state of the driver, our system will ask the driver to take a break and go to the nearest identified restaurant.

- Utilizes Python 3 and TensorFlow to process images/video frame to identify restaurants nearby.

### SCHOOL RECORDS

Technology: MySQL, PHP, HTML | Nov 2018 – Dec 2018
Database Project for Web App which can retrieve data regarding students, their courses, and the professors teaching them

- Found the Objects in our problem scope
- Designed Entity-Relationship model and relational model
- Queried data using SQL in PHP script to create and output data

### FAKE LANGUAGE PARSER

Technology: Python 3, Microsoft Excel | Nov 2018 – Dec 2018
A Compilers project for fake language. Can analyze syntax and execute fake language.

- Implemented a top-down parser method in Python 3
- Created Parsing Table in Excel and used 'openpyxl' module to read from Excel file
- With 'openpyxl' module, read in the rules, output a dictionary to be used for parsing

### MYMAJEKS

Technology: C#, Microsoft Visual Studio, Azure Cloud
Mar 2019 – May 2019
Messaging Application project which sends messages through cloud between end-users.

- Implemented user status, message output/input, changing message channels with C#
- Create UI using Microsoft Visual Studio's GUI builder.

### ALGORITHM ENGINEERING PROJECTS

Technology: C++, Visual Studio, GCC | Aug 2018 – Dec 2018
Projects aimed to help us understand the concepts of time complexities and to craft algorithms to reduce execution time.

- Implemented Algorithms such as: Greedy, Exhaustive, Hashing, and Dynamic programming
- Calculated their time complexities

### WAREHOUSE-WIZARD

Technology: Python 3, PyQT, JSON | Sep 2019 – Dec 2019
Tracks contents of a warehouse. Keeps track of the dimensions and coordinates of each items.

- Implemented item handling by using the existing items' dimensions and coordinates.
- Used JSON for data persistence

## EDUCATION

### CALIFORNIA STATE UNIVERSITY - FULLERTON

Computer Science B.S. | 2017 – 2020
Deans List on Spring 2020 term