

ALADDIN ISMAEL

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EXECUTIVE SUMMARY

Computer Scientist with a Bsc level of study in programming and statistics. Adept and thorough programmer with a meticulous and rigorous approach to program efficiency and organization. Proficiency in C, C++, Java, R, and Linux/Unix. Experienced in leading and coordinating projects in a variety of professional and academic environments.

EDUCATION

Bachelor of Science in Computer Science

Expected Graduation: Spring 2023

California Polytechnic State University, San Luis Obispo

- *GPA: 3.73*
- Notable Coursework: **Systems Programming**, Data Structures, Computer Organization, Object-Oriented Programming, Discrete Structures, Linear Algebra
- Event Volunteer for Muslim Student Association
- Member of Computer Science Club
 - Diablo Valley College

WORK EXPERIENCE

PilotCity - Software Engineer Intern

June 2021-Sept. 2021

- Worked with a team to develop a mobile app for a nonprofit organization specializing in food delivery to those in need.
 - Flutter UI software development kit (Android/iOS)
 - Aim was to connect volunteers with donators
 - Implemented donation forms, volunteer tracking, and setting pick-up/drop-off time based on availability
 - Used cloud MongoDB database to allow users to track volunteer location
- Coordinated weekly team meetings to plan the structure of the mobile app.
 - Updates and roadblocks
 - Set goals for next meeting
 - Designated roles to team members

Doordash - Delivery Driver

August 2018 - Present

- Completed food deliveries in a timely manner and guaranteed customers received a positive, memorable experience
- Leveraged GPS system and navigation app to determine and follow the most efficient routes

PROJECTS

Huffman Encoding Compression Program (C)

- Both encodes and decodes selected file
- Lossless data compression algorithm
- Individual bit manipulation
- Encodes data based on frequency of each unique character
- Uses compressed file's header to build a tree and decode

Chrome Extension for Random Music Sample Generator (Python, Javascript, HTML, CSS)

- Uses YouTube API to add to external database
- Scrapes web page source code for hidden video data
 - Filters/removes data from database based on video category (Music)
- Python script makes use of and filters video IDs imported from youtube archive
- Extension randomly pulls link from database (Size increasing over time)
 - Client-side database (IndexedDB)
- Sends user to corresponding YouTube song/music video

SKILLS

- Language proficiency in: C, C++, Java, R, ARM32
- Experienced in Object-Oriented Programming/Code Organization
- Proficiency in Linux/Unix:
 - File systems
 - System calls
 - Command line pipelining