

# Aaron Habana

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## **OBJECTIVE:**

Seeking an internship or opportunity that will allow me to utilize software engineering skills and abilities gained through relevant education

## **UTILIZED SKILLS/TOOLS:**

Java, C#, C, JavaScript, HTML5, CSS3, Scheme, ARM Assembly, Prolog, R, SQL  
RStudio, Bootstrap, Firebase, Linux, GIT, Android Studio, Xcode, Agile/Scrum methodology

## **RECENT ACTIVITIES:**

### ***CSUN Accessibility Competition sponsored by Northrop Grumman (3<sup>rd</sup> Place)***

*February 2019*

**Problem:** Build an Android accessibility application that will allow those with visual impairment access to humorous visual content that goes viral on the internet.

**Solution:** As a team, build an app using Tensor Flow Lite transfer learning model along with Google Vision for text recognition to determine if the image displayed is a “popular” content

## **EXPERIENCE:**

### **Computer Repair Technician** (The Click Source)

*February 2015 – October 2018*

- Hands on experience in diagnosing and troubleshooting computer problems
- Highly Skilled in installing and configuring software and hardware
- Adept at analyzing failed equipment and providing solutions instantly
- Exposed to database management using FileMaker Pro (Auction Tracking System)

## **RECENT PROJECTS:**

### ***Budge – A Budget Management System – Text Recognition Application***

Android Optical character recognition (OCR) application that extracts information from receipts to keep track of spending behaviors and improve spending habits. Implemented Google’s firebase text recognition API to extract information from receipts

### ***Autonomous Irrigation System for University Campus – Embedded Applications Project***

An autonomous irrigation system built using SPI protocol between bcm2835 and an STM32F103. As a team, created an API for our Scheduling team that will allow for system to be controlled over a web server.

## **COURSEWORK:**

**In-Progress:** *Artificial Intelligence, Database Design, Advanced Computer Graphics, Statistics, Senior Design II*

**Completed:** *Linear Algebra, Programming Language and concepts, Discrete Mathematics, Data Structures & Algorithms, Principles of Software Engineering, Java Language, C Language, Assembly & Architecture, Computer Organization, Discrete Structures, Advanced Data Structures, Operating System & Systems Architecture, Calculus 1 & 2.*

## **EDUCATION:**

**California State University of Northridge**

*December 2019*

*Bachelor of Science in Computer Science*