

# MICHAEL KASMAN

Software Engineer

Dallas, TX

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github.com/MCKasman 

## WORK EXPERIENCE

### Lead Software Architect/Engineer

Association of Computing Machinery (ACM) UTD

December 2018 - Present

Richardson, TX

#### Achievements/Tasks

- Designed facial recognition software, SpectralSight, for airlines to quickly board passengers through identifying their flight information
- Utilized **Raspberry Pi/Raspbian OS** to display the client-side and to run the facial recognition software for prototype testing
- Server-side programming using **Python**, **OpenCV**, and **SQL** to verify faces of passengers with their flight information in the **MySQL** database

### Undergraduate Researcher

The University of Texas

June 2018 - August 2018

Richardson, TX

#### Achievements/Tasks

- Developed and administered a mobile indoors navigation app, Constellation, for the UT Dallas campus by collaborating with undergraduate researchers and principal investigator, Dr. Ravi Prakash
- Created **PHP** scripts to receive HTTP requests from the client and acquire the requested path coordinates and user location from **ArcGIS** and **Cisco CMX**
- Accomplished Constellation 1.0, measured by 50+ successful consecutive tests in navigating a path between rooms, through frontend and backend communication

### Software Engineering Intern

S.T.E.A.M. Achievers

September 2017 - May 2018

Dallas, TX

#### Achievements/Tasks

- Frontend development using **HTML 5**, **CSS 3**, and **JavaScript** for the design and function of the S.T.E.A.M. Achievers Hackathon website
- Backend development using **PHP** and **SQL** to secure the MySQL database and the upload of apps
- Educated 150+ participants, ages of 12 - 18 years old, to develop a web app in the web-development hackathon workshop

## EDUCATION

### B.S. Computer Engineering

The University of Texas at Dallas

August 2018 - Present

Richardson, TX

### I.B. Diploma, High School

Uplift North Hills Preparatory

August 2014 - May 2018

Irving, TX

## SKILLS

Bootstrap

jQuery

OpenCV

MySQL

Flask

Cloud

Microsoft Office

Paint.NET

Adobe Photoshop

Adobe XD

HTML 5/CSS 3

JavaScript

PHP

Python

Java

C/C++

Proficient

Intermediate

Intermediate


Beginner

Beginner

Beginner

## PROJECTS

### Constellation Mobile Indoors Navigation App

- An Android mobile indoors navigation app capable of location tracking and path-finding between rooms on the UT Dallas campus 

### Smart Rates

- A React Native mobile and web app that analyzes the real-time market suggested retail price of cars using the **Smart Car API**

### FastPass

- A React Native mobile app that verifies the boarding pass information of American Airlines passengers through the **Microsoft Azure Facial Recognition API**

### EagleEye

- A React Native mobile app that notifies government officials about infrastructure issues

### Spoodle

- An e-commerce Android mobile app for restaurants to donate or sell excess food through an "FDA approved" method

## ACHIEVEMENTS

### ACM UTD Labs Sponsorship

Funded for the development of facial recognition software, SpectralSight

### 2017 cPanel & FreeCodeCamp Hackathon 1st Place

Awarded 1st Place for the best mobile app, GreenView, out of 50+ other competitors

### 2017, 2015, 2014 Dallas BEST Robotics Engineering Design Award

Awarded for the best robotics engineering and programming design among 40+ other schools

### Better World Fund & UNA-USA Thank a Peacekeeper (TAPK) Campaign Award

Awarded a grant for heading the TAPK campaign at the Dallas Area Model United Nations Conference: delivered 300 complete TAPK cards