

Tash-had Saqif

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SOFTWARE SKILLS

Languages and Environments

Python, Java, Objective-C, JavaScript, PHP, HTML & CSS, Android, iOS

Frameworks and Technologies

Flask, jQuery, JavaFX, Tensorflow, Git, Firebase, Floydhub, Photoshop

PROJECTS

DoorHero | t-saqif.com/door-hero

- **Created an IoT hack that suggests fixes for doors using machine-learning**, at Yale (YHack 2017)
- Wrote a Flask REST API for a server to be able to receive data from sliding doors, determine if the door is broken, and suggest a fix if it is.
- **Used Tensorflow to implement a Classification Neural Network** to make predictions about each door using simulated training data
- **Awarded by Black & Decker for Best IoT Hack**

AngelEye | t-saqif.com/angel-eye

- Worked in a team at HackHarvard 2017, to create products aimed to help battle gun violence
- **Developed an Android "security camera"** that takes continuous geo-tagged photos, and sends each photo to a server that detects firearms
- If server detects firearms, it forwards photo to authorities, alerts the app & logs it in a database
- Developed a separate app that takes data from Firebase and gives **geofence-triggered warnings** around the location in which a firearm was detected, to prevent people from entering area
- **Awarded by Amazon for Best Use of AWS**

PunnyJokes | t-saqif.com/punny-jokes

- Wrote Android app to facilitate network of puns
- Used Kinvey BaaS to handle pun submissions
- **Received over 70,000 downloads on Google Play and gets 550+ daily users**

CheapTags | t-saqif.com/cheap-tags

- **Used Java & JavaFX to create a photo management program** for a Software Design class
- Lets user browse photos in any directory, and add "tags" to them so they are OS searchable
- **Implemented a strict MVC design pattern to allow for easy extendability & updates**
- Used private Instagram API to allow users to import photos from and share with Instagram
- Implemented a search bar that allows the user to search images by regex or by name

EDUCATION

2016 – 2020 **Computer Science & Cognitive Science (Double Major)**
HON. BACHELOR OF SCIENCE x2
University of Toronto

AWARDS

- 2017 **Best Android IoT Hack**
Black & Decker - Yale (YHack)
- 2017 **Best Use of Amazon Web Services**
Amazon - Harvard (HackHarvard)
- 2016 **Presidents Scholarship**
University of Toronto
- 2016 **Gold - Web Development**
TDSB Skills Competition
- 2016 **Bronze - Web Development**
Ontario Skills Competition
- 2015 **Gold - Web Development**
TDSB Skills Competition
- 2015 **Silver - Web Development**
Ontario Skills Competition

PROJECTS CONT'D

UofT-CS-Labs | t-saqif.com/cs-labs

- **Created an iOS app that shows availability of computers in the CS labs at UofT**
- Fetched data from a UofT REST API

Internet-Thoughts | internetthoughts.net

- Worked in a team to create a **web app that determines public sentiment for any given topic using various sources on the web**, for YHack 2016
- Used jQuery to fetch data about the queried topic, and to design an animated UI

YouWork | t-saqif.com/you-work

- **Used JavaScript to create a chrome extension to help minimize distractions on YouTube**
- Redirects youtube.com to an alternate webpage, that allows user to search and view videos without ads/video-suggestions on screen.

Huffman Compressor | t-saqif.com/huff-alg

- Wrote a program to compress and decompress files
- **Implemented the Huffman algorithm in Python**