

# Jibran Khalil

<https://www.jibrankhalil.com> • 469-403-9218 • [jibrankhalil@utexas.edu](mailto:jibrankhalil@utexas.edu)

## EDUCATION

**The University of Texas at Austin**

**August 2019 – May 2022**

*B.S., Computer Science*

**Relevant Coursework:** Data Structures, Multi-Variable Calculus, Discrete Math, Longhorn Startup Seminar

## PROJECTS

**Sole Developer / Creator - Peeko (iOS Application)**

**December 2017 – Current**

Anonymous social networking platform focused on authentic conversations with friends about topics on users' minds

- Swift, Node.js, Firebase, Google Cloud Storage / Functions
- Initially launched September 2018, relaunched May 2019
- **Backend:** Photo storage, notification system, conversation encryption, reporting functionality, expiring topics, mostly enabled through cloud functions and storage
- **Frontend:** Contact importation, photo / conversation caching, camera functionality, extensive user interface
- Developed unique algorithm to determine peeks required per topic
- Decreased data consumption and latency through cloud functions and a combination of different databases
- Created advertising campaign for app's launch, responded to user feedback to release updates
- Addresses negativity within current networks by focusing on ideas first and identity second

**Sole Developer / Creator - Scan to Sheets (iOS Application)**

**August 2018 – Current**

System to take attendance and manage inventory by uploading scanned barcodes / QR codes into specified Google Sheet

- Swift, Google Sheets API
- Sole developer, launched September 2018
- Downloaded in 60+ countries and 5000+ times, adapted by teachers, organizations, and companies
- Trained teachers through videos and tutorials on app implementation within their classrooms
- Used by multiple schools in the Lewisville School District to check-out Apple Pencils to students
- Addresses the inefficiency with existing inventory and attendance systems in organizations

**Developer – Stutterless (iOS Application), HackTX Hackathon**

**November 2019**

Machine learning application that recognizes stuttering within speech and provides real-time visual feedback

- Responsible for developing iOS application, collecting data, and developing CoreML model
- Calculates which durations of speech contain significant stuttering, displays improvement over time

**Sole Developer / Creator – Until Next Week (iOS Application)**

**December 2019 – Current**

App to read new, weekly stories (written by Jibran)

- Swift, parses JSON text from website into sentences

**Developer – Paragon (Website / Slack Bot), Leaphacks Hackathon**

**February 2020**

Slack bot to detect microaggressions using machine learning, ranks aggressive messages by categories on frontend

- React Native, MongoDB, Node.JS / Express
- Responsible for developing MongoDB backend, creating REST API, and partially for training ML model
- Integrated backend with NLP model, Python bot, and website, creating a system to process new messages

## EXPERIENCE

**Website Manager – Masjid Al-Noor**

**June 2018 – June 2019**

Worked voluntarily with local community to design, update, and maintain WordPress website

- Inputted new pages and reorganized layout to relay fundraising progress and new events

## LANGUAGES AND SKILLS

**Proficient:** Java, Swift, Firebase, Git | **Experience:** C, Node.js, MongoDB, Google Cloud Storage, Google Cloud Functions

## ACCOMPLISHMENTS AND AWARDS

**President – Mu Alpha Theta, Science National Honor Society**

**August 2017 – May 2019**

- Implemented Scan to Sheets attendance system for combined 700 members, decreased sign-in times by 80%
- Created instantly accessible, live point system
- Increased membership of Science National Honor Society from 100 to 200+ members through referral system

**Ford Driving Dreams Scholar**

**January 2019**

- Selected for exemplary leadership and future goals

**National Merit Finalist**

**March 2019**

- Chosen for PSAT score among top 0.5% of students in Texas