Jibran Khalil

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# 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