Jibran Khalil

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EDUCATION

The University of Texas at Austin – *B.S., Computer Science,* **GPA –** 3.97 / 4.0   *August 2019 – May 2022*
Relevant Coursework: Data Structures, Computer Architecture, Competitive Programming, Longhorn Startup Seminar

EXPERIENCE

Home Depot – *Software Engineering Intern*   *June 2020 – August 2020*
- Developed self-checkout dropdown job name selection screen, created new register flow for flagged corporate companies
- Created new React frontend for job-selection in self-checkout, worked with design team to ensure consistent UI
- Utilized web sockets, NGINX, Redux, and Java Spring to synchronize underlying register data and customer self-checkout
- Implemented Java Mockito tests and React/Redux end to end testing
- Deployed to 50,000+ registers in 2,000+ stores

Human / Robot Interaction Research – *Researcher*   *April 2020*
Research paper on impact of different synthetic voices on person's risk-taking ability
- Developed story website to determine risk users would take with different gender robotic voice narrators
- Analyzed 100+ data points to determine female robotic voice narrators induced riskier behavior in people

PROJECTS

TalentFilter.io – *COVID job Website + Node.JS Backend*   *May 2020 - Current*
Talent directory with extensive filtering to connect recruiters with people laid off by COVID-19
- MongoDB, Node.js, Firebase, JavaScript, and HTML
- Filters for school, former job, location, and category, allowing recruiters to bookmark relevant profiles

GoalGroup – *iOS App + Node.JS backend*   *March 2020 - Current*
Platform for users to join groups with similar goals to stay motivated
- MongoDB, Node.JS, Socket.IO, and Heroku backend, Swift frontend
- Utilizes web sockets for real time communication, allows users to add goals, check in, and message people in group

Paragon – *Hackathon Website / Slack Bot*   *February 2020*
Slack bot to detect microaggressions using machine learning, ranks aggressive messages by categories on frontend website
- React Native, MongoDB, Node.js / Express
- Responsible for developing MongoDB / Node backend, creating REST API, and helping train ML model
- Integrated backend with NLP model, Python bot, and website, creating a system-flow to process new messages

Stutterless – *Hackathon iOS app*   *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

Scan to Sheets – *iOS app*   *August 2018 – Current*
App to take attendance and manage inventory by uploading scanned barcodes / QR codes into specified Google Sheet
- Swift, Google Sheets API
- Downloaded in 60+ countries and 5000+ times, adapted by teachers, organizations, and companies
- 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

Peeko – *iOS app + Firebase/ Google Cloud backend*   *December 2017 – July 2019*
Anonymous social network focused on authentic conversations with friends about topics on users' minds
- Swift, Node.js, Firebase, Google Cloud Storage / Functions
- Backend: Photo storage, notification system, encryption, reporting, enabled with cloud functions / storage
- Frontend: Contact importation, photo / conversation caching, camera functionality, extensive user interface
- Developed algorithm to determine peeks required per topic, decreased data consumption and latency

LANGUAGES AND SKILLS

Proficient: Java, Swift, Firebase, Git | **Experience:** C, Node.js, MongoDB, Google Cloud Platform, Socket.IO

ACCOMPLISHMENTS AND AWARDS

Mu Alpha Theta, Science National Honor Society – *President*   *August 2017 – May 2019*
- Implemented Scan to Sheets attendance system for combined 700 members, decreased sign-in times by 80%

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